Notes taken at:-
Gorda-Monterey Co., Cal.
(Commencing May-10-1898.)
Chualar-Monterey Co.-Calif

~~Oological Notes for 1898 A.D.~~
~~Taken near Watsonville and Castroville, Monterey Co. Santa Cruz Co.~~
~~California~~

Oscar P. Silliman
~~Castroville~~ and Palo Colorado
Gorda P.O.
~~California~~ Monterey Co.,
Cal.

# Season of 1898

1

NAME Parkman's Wren. SET ~~721a~~. 2/7 A. O. U No. 721a.

LOCALITY Gorda - (Palo Colorado) Monterey Co. DATE. May - 10 - 1898.

COLLECTED BY O. P. Silliman. IDENTITY. (2)

INCUBATION Well advanced.

NEST. was situated about ten feet from the ground in an old woodpecker cavity on the underside of a dead limb of an old sycamore tree that was in a very oblique position having started to fall over and had lodged in the top of a redwood stump and continued to grow. The parent birds were about the place singing while I was resting and one of them flew to the nest which otherwise I probably would have overlooked. The limb was almost horizontal and the entrance was from the lower side.

The nest was a conglomeration of various articles consisting of dry twigs some of which were six or eight inches in length. In one corner of these was the nest proper consisting of small rootlets and weed stalks while the lining of the nest consisted of feathers and discarded snakes skin. The feathers were from various birds, those of the Steller's(?) Jay and Valley Quail being distinguishable. In the two nests I have taken of this species this year both have contained snakes skin. Owing to looseness etc the nest could not be measured exactly. One parent bird was quite demonstrative and tame.

SIZE OF EGGS, {.65 x .46 ; .65 x .48 ; .67 x .48 ; .65 x .48 ; .62 x .47 ; .65 x .47 ; .64 x .47 Inches.

No- {17. x 12. ; 17. x 12.5 ; 17.25 x 12.5 ; 17 x 12.5 ; 16. x 12. ; 17. x 12. ; 16.5 x 12. M. M.

1 - 2 - 3 - 4 - 5 - 6 - 7

SIZE OF NEST OUTSIDE (7 x 6) X 2¾ Inches. INSIDE 2¼ X 1⅜ Inches.

2

NAME Calif. Bush-Tit. SET 1/6 A. O. U NO. 743a.

LOCALITY Redwood near Gordo P. O. Cal. DATE. May-15-1898.

COLLECTED BY O. P. Silliman. IDENTITY. Positive.

INCUBATION Fresh. (Possibly this set lacks one of completement.)

NEST. The nest was the usual purse shaped structure which however was about as short as any I ever saw and was composed largely of lichens and moss mixed in with a great variety of small weeds and leaves and little pieces of stalks. All of this was firmly united into one structure cobwebs being used to unite all more firmly together. The entrance hole was placed on the side just below the top of the nest and was surrounded by little weed stalks and some vegetable down. It was just about one inch in diameter. The nest was fastened on the side and back to a small wild gooseberry limb several of the green sprouts of which were ~~united~~ worked into the body of the nest. The lining of the nest consisted of a thick coating feathers some of which were of good size. Some appeared to belong to quail. It is a curious fact that these feathers always occur and as they seem too large for the parent bird I think they must be partridge feathers. The nest was placed in a large wild gooseberry bush just by the side of the trail. It was not over 50 feet from a dwelling house. It was six feet up.

SIZE OF EGGS. .54 x .44 ; .53 x .39 ; .54 x .42 ; .52 x .41 ; .52 x .39 ; .54 x .41. Inches.
14. x 11. ; 13.75 x 10. ; 14. x 10.5 ; 13.5 x 10.25 ; 13.5 x 10. ; 14. x 10.5. M. M.
No- 1- 2- 3- 4- 5- 6

SIZE OF NEST OUTSIDE 6.75 long. 2.75 x 3.25 in. about bottom inside 5 in. deep.

3 ✓

NAME Parkman's Wren. SET 3/7 A. O. U. No. 721a.

LOCALITY Redwood near Gorda, Cal. DATE. May. 21-1898.

COLLECTED BY O.P.S. IDENTITY. (2.)

INCUBATION fresh.

NEST. was in a cavity in a sycamore tree that was partially decayed in some places. The tree was growing by the side of a small creek in the bottom of a wide open cañon and extended out over the water. The cavity was probably 8 feet above the water of the creek and about the same distance from a log that was used as a foot-bridge over which some one passed nearly every day. The nest was discovered sometime ago and three days ago it held six eggs. The parent bird was on the nest but flew off at my approach and was a little shy so that I had to wait some time before I could get a good look at her. Both birds were present. The tree was about 10 inches in diameter and rotton on one side and in this rotton wood was a cavity of small size at the back. The nest was placed in this cavity and was composed of a few sticks 4 to 6 inches in length, snakes skin, fine roots, feathers from Steller's Jay, California Quail, and other birds. These last used a lining. Eggs placed at back of this collection of material.

SIZE OF EGGS {.65 x .46; .64 x .46; .66 x .46; .67 x .47; .67 x .48; .65 x .46; .63 x .46 Inches.
{16.5 x 12; 16.25 x 12; 16.75 x 12; 17. x 12.25; 17. x 12.5; 16.5 x 12; 16 x 12 M.M.
2- 3- 4- 5- 6- 7

SIZE OF NEST OUTSIDE........ INSIDE........ Not capable of being measured with exactness.

4

NAME California Quail. SET 1/9. A. O. U. No. 294.

LOCALITY Redwood near Gorda P.O. Cal. DATE May-21-1898.

COLLECTED BY Miss Amelia Davis. IDENTITY. (?)

INCUBATION far advanced.

NEST. was built on the ground. It consisted merely of a slight depression

SIZE OF EGGS. {1.27 × .95; 1.34 × .97; 1.31 × .95; 1.31 × .97; 1.32 × .96; 1.23 × .94; 1.30 × .95 Inches
{32.75 × 24.; 34.5 × 25.; 33.5 × 24; 33.5 × 25.; 34. × 24.5; 31.5 × 24.; 33. × 24. M.M.

SIZE OF NEST nest not measured {1.27 × .94; 1.30 × .93 Inches
{32.75 × 24.; 33. × 23.75 M.M.

NAME Spurred Towhee. SET 2/4. A.O.U. No. 588a.

LOCALITY Redwood, Monterey Co. DATE. May-24-1898.

COLLECTED BY C.P.S. IDENTITY. Good.

INCUBATION fresh.

NEST. was situated on the ground in a grove of young sycamore trees, the ground under which was thickly covred in most places several inches deep with dead sycamore trees. There were growing under these trees a lot of wild gooseberry vines covering nearly the same extent as the sycamore trees. The nest was partially although not very effectually concealed by leaves. It was at one side of a very small wild gooseberry bush. The bird was flushed from the nest and by so doing disclosed the whereabouts of the nest. The nest consisted outwardly of sycamore leaves in a bed of which the nest was placed, pieces of redwood bark, small weed stalks, etc. all quite firmly united considering the species and lined with fine round dry grasses. A few pieces of small ~~[illegible]~~ twigs entering into the construction of the nest. The pieces of redwood bark were quite large considering size of nest. They were woven into the nest around the top rim and parts of them were sticking up in all directions about the edge of the nest.

SIZE OF EGGS. { .90 x .70; .88 x .70; .92 x .71; .92 x .70. Inches.
{ 23. x 18.; 22.75 x 18.; 23.5 x 18.25; 23.5 x 18. M.M.

No-

SIZE OF NEST OUTSIDE (5.5x4.5) 3.75 Inches. 3— INSIDE (3x2.75) 2. Inches.

NAME Black-headed Grosbeak. SET 1/3. A. O. U. NO. 596.

LOCALITY Palo Colorado, near Gorda P. O. DATE. May-31-1898.

COLLECTED BY O. P. S. IDENTITY. ♀ shot.

INCUBATION 2 fresh - 1 showing slight traces of incubation

NEST, was situated about eight feet from the ground in the fork of a large limb of a wild gooseberry bush of no mean dimentions. This bunch of gooseberries which was a large one was growing together with a host of other bushes of the same size in a thick grove of sycamore trees of about the same dimentions. The locality was a small damp flat surrounded by slightly higher ground in the south-west slope of range of hills running parallel with the coast which was about 1½ miles off. The gooseberries were situated near a clump of young red wood trees and the nest was in plain sight. Bird was remonstrative as is usual with this species. Eggs typical. Nest more carefully built and decidedly lavish for this species. It is quite compact and is composed externally of dry and green weed stalks with leaves and flowers attached. They appear to be nearly all the same species. The lining of the nest was of fine roots with a few leaves interwoven into the bottom of the nest which seems to be constructed from these three materials. Nest not perfectly round as one side extended fully 3 inches farther than the other.

Nest contained 2 eggs on May-29-1898.

SIZE OF EGGS. {.98 x .67 ; .97 x .67 ; .97 x .68 Inches.
Mm {25.5 x 17.25 ; 25 x 17.25 ; 25. x 17.5 M.M.

SIZE OF NEST OUTSIDE 6 x 7 X 2.25 x 2.75 Inches. INSIDE. 3. X 1.75 Inches.

Calif. Partridge. 2/10. 294.
Palo Colorado. near Gorda P.O. June-8-1898.
Isaiah W Dain. (?)

I think this set is not complete
as I afterwards heard that one egg had
been broken from it.

{1.22 x .93; 1.22 x .91; 1.22 x .91; 1.27 x .94; 1.18 x .92; 1.26 x .91; 1.21 x .93. Inches
{31. x 23.75; 30.5 x 23.; 31. x 23.; 32.25 x 24.; 30. x 23.25; 32. x 23.; 30.75 x 23.75 m.m.

Not measured {1.22 x .93; 1.18 x .91; 1.16 x .91 Inches.
{31. x 23.75; 30. x 23.; 29.5 x 23. m.m.

California Towhee. No. 2/3. A.O.U. No. 591b.

LOCALITY Palo Colorado near Gorda P. O. DATE June-10-1898.

COLLECTED BY Oscar P. Silliman. IDENTITY positolls.

INCUBATION 1 Fresh and 2 slightly incubated.

was elliptical in shape and the cavity was nearer elliptical than the exterior outline. The nest was composed of a kind of dry weed stalks having a thorny seed pod and growing to the length of about one foot in this region. They are known as tuc-oloti. Besides these there were a great many fine round grasses in fact these composed the bulk of the nest. These besides a few stalks of chemise bush and a thin inner lining of black and white hair (mostly the former) were the only materials used in the construction of the nest. The nest was placed a little more than three feet from the ground in the branches of a dead or partially dead willow sapling that was growing in a horizontal position. It had tumbled over and had landed in the top of a chemise which latter partially concealed the nest although not ~~very~~ effectually. The locality was the steep side hill of ridge facing the ocean and the altitude was 1100 or 1200 feet. The nest was placed near the edge of a deep gulch and 75 to 100 yards from a dwelling house. This hill side is covered with chapparal and some yerba l'oso bushes. Nest not far from a trail.

SIZE OF EGGS {.97x.69; .96x.71; .98x.70. Inches.
(25.x17.75; 24.5x18.25; 25.25x18. Mm.

SIZE OF NEST OUTSIDE (8.5x5.5) 3.5 Inches. INSIDE (3.75x3.25) 2.25 Inches.

9

Black-headed Grosbeak. 2/3. 596.
Redwood near Gorda, Cal. June-11-'98.
O.P.S. ♀ on nest.
Fresh.

[illegible] a Columbine.

was a very frail affair composed externally of dry weed stalks of a kind that was growing abundantly all about the nest. This plant has leaves like a wild columbine, grows with a straight, slender, hollow stalk; has small flowers; and large ~~tri~~ angular seeds. The rest of the nest consisted in a thick lining of fine reddish-brown rootlets. The nest was straggly and not regular in construction one side having thiner walls than the other. The cavity of the nest was quite deep for the species and was very neat. The most remarkable fact about the nest was its heigth from the ground. It was situated an even four feet from the ground in a fork of a large wild goosberry bush which was growing in a large ~~patch~~ bunch of same. The locality was a flat hollow place on the west slope of a ridge running parallel with the coast and about two miles from it here. This flat piece of ground is rather damp and is covered by a thick growth of tall rather slender sycamore trees. Under the trees was a patch of wild gooseberries of the same extent as the grove. Ground + bushes covered with a thick coating of dead sycamore leaves often several inches deep. Below and a little to one side was a nest of the Lazuli Bunting containing

3 eggs.
{.96 x .69 ; .95 x .70 ; .97 x .70 - Inches.
{24.5 x 17.75 ; 24.5 x 18. ; 24.5 x 18. M.M.

No (6.x7) 3.00 Inches. 3.00 1.50 Inches.

10

Macgillivray's Warbler. 1/4. 680.

near Gorda (Palo Colorado) P.B. Col. June-12-'98.

O.P.S. Bird seen.

Fresh.

was situated about 18 inches from the ground in a clump of wild blackberry vines that were growing in a little creek-like swale. The trail crosses the creek or ditch at this place and it passes through the thick brush of willow sapplings, wild gooseberry & wild blackberry vines and other growths. At one place above the trail the sloping ground is covered with a growth of wild blackberry vines and "yerba buena" at the end of which is a clump of wild blackberry vines several feet tall. Just on the edge of this clump and not more than 4 or 5 feet from the trail the nest was placed in the dark green foliage of the wild blackberry vines. The rim of the nest on one side being clearly visible from the trail. (Bird exceedingly tame and was a close sitter. [illegible] notes of today) The nest was very loosely constructed and rather "straggly". Its exterior portion consisted of dry and green grass blades (a very wide species), of some grasses and small grass like stems, the first named article predominating. Inside of these the material although the same had more stems and stalks seemingly old & decayed. The lining consisted of black and white hair mostly black.

{.66 x .54; .64 x .53; .68 x .54; .66 x .54 Inches.

{17 x 14; 16.25 x 13.75; 17.5 x 14; 17 x 14. M.M.

3.75 x 3.40} 3.00 Inches.

1.70 x 1.75} 1.75 Inches.

No — 1 — 2 — 3 — 4

Lazuli Bunting, 1/4. 599.

LOCALITY Gorda, Cal. June 2-18.

COLLECTED BY Wm. Peiffer. IDENTITY. Good

Fresh.

" was situated in a low chapparal about 18 inches from the ground" (Wm. Peiffer) The nest was the usual neat, well cupped firmly built structure common with this species, It was composed of numerous plant ~~ifers~~ fibers with the addition of a few feathers about the brim of the nest and a thick lining of white hair and 2 or 3 black ones. Evidently they are either horse or cow hair. To be a little more definite the plant fibers consisted of pieces of broad grass blades, fine pieces of grass blades stuck together with cobwebs and parts of ~~cocoons~~ cocoons (apparently), small pieces of redwood bark, very fine round grasses and small bits of weed stems. All very soft and with the exception of the grass blades were in small pieces. The whole nest being very neat and firmly constructed through the aid of cobwebs and coccons.

No- 1 - 2 - 3 - 4

SIZE OF EGGS {.75 x .51; .74 x .54; .74 x .52; .71 x .53 Inches
{19. x 13.; 18.75 x 14.; 18.75 x 13.25; 18.25 x 13.75 M.M.

(4.00 x 3.50) = 2.10 Inches. (2.30) 265 Inches.

Lazuli Bunting SET 2/4-1.

599.

LOCALITY Redwood near Gordo P.O. DATE June-13-'98.

COLLECTED BY O.P.S. IDENTITY Positive

INCUBATION Fresh. Nest contained 3 eggs on the 11th inst.

NEST was as usual a very neat symmetrical affair. It was placed in a crotch and as this was narrow the nest was built some distance up the stalks with a lot of loose ends of grass extending downward to the ramification. The lower part of the nest was almost wholly composed of dry grass blades and in fact nearly the entire nest was composed of this material. About the rim of the nest and at the places where the nest joined the stalks the grass blades were glued together with cobwebs and spiders cocoons. About the mouth the pieces of straw (grass blades) were smaller and appeared to be older. The lining of the nest consisted of fine round grasses, hair and redwood bark. The nest was placed about 18 inches from the ground in the crotch of a wild gooseberry bush growing in a grove of young tall slender sycamore trees, the ground to a similar extent being covered with the bushes. The nest was quite securely hidden by the fallen sycamore leaves under a bunch of which the nest was placed. This is a set referred to in set of ~~Cal~~ Bowles Black headed Grosbeak 2/3. q.v.

SIZE OF EGGS {.70 x .52; .70 x .53; .69 x .51; Inches. One broken. M.M.
{18. x 13.5; 18. x 13.5; 17.75 x 13;

SIZE OF NEST OUTSIDE (3.50 x 3.75) X 4.50 Inches, INSIDE 2.10 X 1.70 Inches

Black-headed Grosbeak. 3/3. 596.

Redwood near Gorda P.O. June-14-1898.

D.R.S. [illegible] Root

Slight.

was quite a decent little affair considering the species. Its outermost part being composed of fern stalks with the fronds attached. There being two species of these in the composition of the nest viz:- ("brakes" and "rock-ferns" so called). These were on the exterior. The main body or in fact the rest of the nest for it had no separate lining being composed of fine weed stalks some of which appear to be ferns denuded of their fronds. All were dark colored, small in calliber and very dry. Some [illegible] ~~adde~~ stalks of the wild morning glory as they are twisting and twining about each other. The nest was perhaps 9 or 10 feet from the ground in the crotch of a very young redwood. The redwood was a young one, that had sprung up from the roots of a larger tree that had been cut down. I reached the nest by climbing to the top of the stump and reaching in the nest. (The locality was a little cleared place in the bottom of a wide, shallow cañon. Nest not far from creek. Near top of redwood sapling. Quite well hidden.

Bird a close sitter and demonstrative but a little shy about coming back to nest for this species.

1.05 x .70; 1.05 x .70; .83 x .70. Inches.
26.75 x 18.; 26.75 x 18.; 26. x 18. M.M.
(85 x 62) 2.60 Inches. (290 x 310) 2.60 Inches.
710

Mourning Dove. 1/2 316.

LOCALITY Redwood, near Gorda, Cal. DATE. June-15-1898.

Alvin Davis. * IDENTITY. Good.

Slight.

nest merely a hollow in the ground.

{1.13 x .83; 1.15 x .82 Inches
{29. x 21.25; 29.5 x 21. M.M.

not measured

Season of 1899 - Chualar - Calif.

Calif Thrasher. 1/3-1 710.

Chualar - Monterey Co. April - 10 - 99.

O. P. Silliman. Positive.

Well formed embryos.

was situated in a large clump of chappard growing on the north slope of a hill near the mouth of Chualar Canyon. The chappar-al was a large woody shrub with leaves similar to an oak's. The bird left her nest in her usual quiet way but soon returned with cries of distress. Her mate soon answering from a patch of sagebrush on a hill north of and facing this one. Nest was placed in a small horizontal limb running out from a larger oblique one (one of main branches of shrub.) The nest was an even four feet from the ground in perpendicular distance and eight inches above the nest on a limb nearly parallel with the one on which the nest was situated was the remains of last years nest. It formed a canopy. Both nests might be called abnormally large. Nest was composed of a large quantity of twigs and small branchlets, twigs over 1/4 in. in dia. some had lichens attached a few pieces of bark mixed with this, then a thin layer of bark, then very fine branchlets, a thick coating of rootlets and finer fine hairs (not over a doz.) innermost.

1.23 x .83; 1.17 x .84

One addled; 31 x 22; 30 x 23

13 4 1/2 Inches. 5 x 4 1/2 3 1/4 Inches.

of fine rootlets, then a thicker inner lining of hair & a piece or ~~two~~ of bark.

NAME Calif. Jay. 14. 481.

LOCALITY Chualar-Calif. DATE April-10-99.

COLLECTED BY O.P. Silliman. IDENTITY Positive!

INCUBATION Slight

NEST was situated in a dense clump of thorny chapparal brush which was covered with "wild ivy" vines; these trailing over and around the nest. Parent bird was on nest and left at ~~my~~ approach. Both birds were soon giving vent to cries—the other bird being not far distant from the nest. Birds did not come very close and were soon silent. Nest was 3 2/3 feet from the ground in a kind of fork made by the branching of several small sprouts forming a widely obtuse angle. The particular shrub in which the nest was placed was rather small being scarcely over four feet in heighth and consisted of a main trunk and the branches alluded to above. This shrub was placed however in a large clump of same. Location was in a flat sloping space in an angle formed by the twist of a low range of hills. Parts of the hillside and all of the adjoining flat was covered with chinese sage brush and other kinds of chapparal. Nest consisted of a platform of good sized twigs rather difficult to remove as whole owing to looseness, also fine twigs & large lichen or ~~two~~ next a layer vide supra.

SIZE OF EGGS 1.17 x .83 / 30 x 21 ; 1.15 x .83 / 29.5 x 21 ; 1.15 x .81.5 / 29.5 x [illegible] ; 1.17 x .82 / 30. x 21

No.— 1 ; 2 ; 3 ; 4

SIZE OF NEST OUTSIDE 11 3/4 Inches. INSIDE 4 3/4 Inches.

Gairdner's Woodpecker. 1/5-1 394a.
Chualar Cañon, Monterey Co. April-12-1899.
O.P. Silliman.
Well formed embryos.

was situated 21 feet from the ground in a sycamore of no great size being about 14 inches in diameter at base and 10 inches at nest cavity. Nest cavity about same width thoroughout its entire depth. Bird appeared at entrance at my approach. She was very eratic in her movements flying from one tree to another uttering her cry and drumming upon the tree. Two or three times she flew to the tree at whose base I was sitting. This being one of a clump of five, including the one in which nest was placed.) - Locality was the wide flat sandy bottom of Chualar Cañon over the bottom of which a great many sycamore trees ~~above~~ growing with oak trees further up. Grain fields were on one side of the nest and a pasture on the other side. Several feet below nest was another cavity evidently a last years nest. Only interior and one side of the tree was decayed. Most of the "sap" being alive. Tree about 30 feet in heighth and slightly oblique in position. Surrounding trees had a great many dead limbs. Opening of nest faced the southeast.

Entrance hole was 4 3/4 inches from back of nest cavity

one broken; .93 × .71; .93 × .71; .94 × .71; .94 × .72.0
.24 × .185; .24 × .185; .245 × .18; .245 ×
Depth - 12 inches entrance hole 1 3/4 inches.

Am. Crow. 1/4. 488.

Chualar, Calif. DATE April-15-1899.

COLLECTED BY O. P. Silliman. IDENTITY Positive.

Smaller in browns.

NEST was placed in the ~~vertical~~ crotch of a vertical and a horizontal limb of a small oak tree feet from the ground. The nest was placed in the very top of the tree. The location was the western slope of a range of foot-hills. Slope covered by a scanty growth of oak trees and chapparal brush. A good many trees were in the immediate vicinity of the nest. Bird was on the nest and did not leave until I began to ascend the tree. She flew away and was quiet for a while but afterwards flew over the tree uttering cries. She did not come very near. Nest was composed of of a great many small branches and large twigs of oak, these composed body of nest then a very thick warm lining consisting of bark, rootlets and a large amount of pieces of dried soap root, also a few small tufts of wool. Nest well cupped and strongly built but neat. Soap root composed innermost lining also a few pieces of bark.

SIZE OF EGGS.

No 1. 1.46 x 1.12 ; 37.5 x 28.5

2. 1.42 x 1.10 ; 36 x 28.

3. 1.50 x 1.10 ; 38. x 28.

4. 1.49 x 1.10 ; 38. x 28

21 x 14 Inches

INSIDE 4 1/2 x 6 Inches

3673.

Brewer's Blackbird. 1/6. 510.

LOCALITY Chualar, Cal. April-25-1899.

O.P. Silliman. Positive

Embryos easily distinguishable.

was placed 26 feet from the ground and was placed in crotch formed by trunk and limb of a cypress tree growing in a hedge surrounding a dwelling house. The nest was several feet from the top of the tree and was in that part of the hedge that was least visited or disturbed. Three days ago set was complete.

There are a large colony of these birds nesting in the cypress trees surrounding the house - over 40 nests containing eggs at this time. a good many sets the complete [illegible] has not been [illegible]. Eggs are of the greenish type but quite heavily marked.

3673.

| No. 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| .90 × .71 | .92 × .71 | .89 × .70 | .89 × .71 | .89 × .70 | .89 × .70 |
| 23 × 18.5 | 23.5 × 18.5 | 23. × 18. | 23. × 18.5 | 23. × 18. | 23. × 18. |

Brewer's Blackbird 2/6. 570.

LOCALITY Chualar, Cal. DATE. April-25-99.

COLLECTOR O.P. Silliman. IDENTITY. Positive

INCUBATION Advanced.

NEST. was placed near last at about the same height. (26 feet.) I think a part of the remains of a rotton last years nest was in the bottom of this one. The materials used were a great quantity of fine rootlets (forming at least 80% of nest), a few twigs, feathers and rope raveling, and string fastened together with mud and manure and lined with a thin coating of hair.

No- 1- 2- 3 4- 5- 6

SIZE OF EGGS 23.x17.; 25.x18; 24.x17.5; 23.x17.5; 23.x17.5; 23.5x17.5 m. m.

SIZE OF NEST (7x8) (4) inches; (2 1/2 x 3) (2) (1 3/4) inches.

3671

Brewer's Blackbird. 3/6. 510
Chualar. Cal. April. 25. 1899.
O.P. Silliman. Positive.
Advanced

was placed about 5 or 5½ feet from the ground in thick subby branches of a cypress tree growing in a hedge of trees near a pathway and very close to a house. Nest was passed several times a day but this did not seem to disturbe the birds much.

Nest was quite a flat structure for the species and lacked a part of the brim. It was made of short rotton twigs, and roots mixed with feathers sacking string and cemented together with mud. The nest had a thick lining of hair.

+ 3671.

No. 1. 2 - 3 - 4. 5 - 6.
25.x18.5; 25.x19.; 25.5x19.; 25.x19.; 25.5x19.; 24.5x19. M.M.
7½ 3. 2 Inches. 3½ — 2 Inches.

House Finch. SET 1/5. 519.

LOCALITY Chualar, Calif. DATE April 29-1897.

COLLECTED BY C. P. Dillinedy. IDENTITY Positive

INCUBATION slight.

NEST was situated on plate of an out-house near a deserted dwelling and was placed in the corner formed by a rafter, the plate, and a piece of thin lumber like a 'shake' that was stuck behind the next rafter and ran past this corner. The nest was placed an even 8 ft. from the ground. The nest was composed of stalks of barley, oats (wild) and foxtail, from the surrounding grain field, and an oak twig or two while the lining consisted of string, ravelings from cloth and sacks, with cow-hair, feathers, and cobwebs innermost. Edges of nest covered with excrement of birds. Parent bird on nest, flew at my approach and did not return to the immediate neighborhood of nest but remained a little ways off from which place her cries could be heard!

Eggs a little undersized.

No-1- 2- -3 - 4 - 5-

SIZE OF EGGS, 17.x 13.; 17 x 13.; 17.5x 13.; 18.x 13.; 18.5x 13. m.m.

SIZE OF NEST 7 x 2 5/8 Inches 2 1/4 1 1/2 Inches.

nest. Bird returned to near the nest and 23
sang its song for sometime - once in a while
giving vent to its harsher note

Calif. Thrasher. 2/3-1 7/10

LOCALITY Chualar, Cal. DATE April 29, '99.

COLLECTED BY O. P. Silliman IDENTITY Positive

INCUBATION Advanced - feathers showing.

NEST was situated 5 ft up in a thick bunch of small branches of a dead chapparal that was overgrown by a wild ivy vine. Bird on nest, did not leave until my hand was within a few inches. Then she flew silently away and her notes were heard from chapparal on hill above nest. Locality was northern slope of a spur of foothills which spur ran out into the valley. The hill was covered by chimese and a woody kind of chapparal with leaves like an oak and many short thorn like branches. The whole of hillside was covered with chapparal except a portion that had been burnt. There were however paths and open places through it. The nest was small for the species and rather flat. The numerous small branches of the chapparal formed part of the nest - even part of the lining was woven about them. Nest consisted of a number of small twigs not as large as is sometimes used, next a layer of fine pieces ←

of bark then a thick layer of rootlets, and a few long hairs in the

OF EGGS one broken; 2 not measured.

12x8 3½ inches. 3¾ 1¾ inches.

24✓

Annas Hummer. SET 1/2—2 43

LOCALITY Chualar, Calif. DATE April-29-99.

COLLECTED BY O. P. Silliman. IDENTITY. Bird killed.

INCUBATION Very far advanced.

NEST was situated in the overhanging branches of a large oak tree growing on the north slope of the bank of a flat-bottomed arroyo. Nest reached by piling up decaying limbs for limb was small and far out. Nest discovered by ♀ flying to it. Bird was a very close sitter never leaving until my hand was within a few inches of the nest and returning immediately after eggs were taken and I had reached the ground.

Nest was a neat structure composed largely of fur, feathers and cotton from trees. Outside it was well decorated with lichens, held together by cobwebs also a feather of the Red-shafted Flicker I think. There was a good deal of green sphagnum moss. Inside the nest was of feathers and plant cotton. Nest in a crotch (nearly a right angle) of two limbs with one or two other small sprouts near the nest.

SIZE OF EGGS. two broken.

SIZE OF NEST OUTSIDE 2×1 3/4 1 1/2 Inches INSIDE 1 × 7/8 Inches.

NAME Dessert Sparrowhk SET 5 — 3 NO. 360a

LOCALITY Chualar, Calif DATE April 29-99

COLLECTED BY O P Silliman IDENTITY [illegible]

INCUBATION Begun about 1/4 I should judge

NEST was ~~placed~~ in a natural cavity in a sycamore tree growing in a grain field in the flat wooded bottom of a creek in a wide cañon. Opening of nest was towards the north and cavity was 21 inches in depth. The mouth of cavity was very jaged. Bottom of cavity twice as large as mouth. No lining was used except chips of decayed wood about like coarse sawdust. I did not see bird leave the nest although the eggs were quite warm. There were two trees growing together at this place and other trees or groups not far distant.

Nest was 14 feet from the ground

Three broken; ~~1.35~~ 35 x 28.5; 35 x 28.5.

26

Desert Sparrow H. 7p-1. 3 eo.

Chualar, Calif. April 24, 99.

O.P. Silliman. Birdshot.

Fresh.

was situated in a cavity in a large sycamore tree. The cavity was fairly large and had been a Red Shafted Flickers nest, I think. A few feet below was a similar cavity from which I took a few weeks ago a [illegible] eggs. Evidently all last years one. Birds have been seen here for some time. Bird was very fierce and once swooped down to within a foot or two of my head uttering fierce cries the while. I had torn off the part of the cavity upon a former visit but this apparently did not stop birds from nesting here. Only one bird was seen and this one shot. Nest was about 16 feet from the ground and cavity was 15 or 16 inches deep to top, about 6 inches of wall was torn off by me and excavated by Flicker) left for opening. Nothing in dept bottom wood like sawdust.

34 x 28.; 34.5 x 27.5; 33. x 28.; 32. x 28 MM

Brewer's Blackbird. 4/5. A.O.U. No. 510.
Chualar Cal. April 30-1811.
O. P. Silliman Nesting.
Slight.

was situated 4 1/2 feet from ground in a crotch made by small limbs and main trunk of a small dead cypress tree growing in a row of same not far from my house, not over 30 feet, and was passed and repassed every day. Nest has contained 4 eggs for 3 days. A very large colony of these birds nest in the cypress trees which are planted in hedge-like rows along fence and at the side of my house. Nearly 40 nests contain eggs at present. None contain young yet so far as I know.

The nest was about the average size and was a well-formed and well-built structure for the species.

Nest was composed externally of roots chiefly, to which were added small twigs, string and feathers. A coating of finer rootlets were next and finally a lining of hair.

Nos- 1- 2- 3- 4- 5
26.5x18.; 26.x18.; 27.x19.; 26.x18.; 25.5x17. M.M.
(4) 3¾ In. (4x4) 2¾ Inches.

Brewer's Blackbird. 5/5-2 510.
Chualar - Calif. May - 1 - 1899.
O. P. Silliman Positive
Well advanced!

was situated 15 feet up in cypress hedge between a small limb and trunk of tree about 6 or 8 feet from top of tree. Bird did not leave until my hand had nearly touched her. Small limb was about 1/2 inch in diameter. Several other small limbs near.

Nest was constructed upon remains of a last years nest and was therefore quite bulky. Both nests were the usual collection of conglomerate material consisting chiefly of rootlets weed stalks, string, a few feathers, small twigs, lined with a thick coating of coarse black and finer white hair.

Entire length - 11 inches.
Greatest height - 6 1/2 inches.

24.5 x 18.; 24. x 18.; 24.5 x 18. m.m.; two broken.
3 3/4. 2 1/4. Inches.

Brewer's Blackbird 6/5-5. 510.
Chualar - Cal. May-1-1899.
O. P. Silliman. Positive.
Advanced.

was situated about 10 feet up in crotch of a small dead cypress tree growing in hedge. Crotch formed by trunk of tree and 2 small horizontal branches. Nest was in plain view.

Broken.

Brewer's Blackbird. 7/6. 4 510.

Chualar-Calif. DATE May-1-1899.

O.P. Silliman. Positive

Advanced

was about 9 feet up in small branches of a very small dead cypress tree, not over 12 feet in heighth growing in hedge of same kind of trees near a dwelling house. Bird on nest did not leave until I began climbing tree.

Nest was composed of coarse material consisting of roots, weeds and string, lined with a little grass and hair. Horse dung used in bottom of nest which was of light weight owing probably to absence of mud in bottom.

23. x 16.5; 22. x 18. m.m; four broken.

Brewer's Blackbird. 8/6-6 510.
Chualar, Calif. May-1-1899.
O.P. Silliman. Positive.
Advanced.

was situated 8 or 9 feet upon a limb extending from a cypress tree out towards a walk that was used several times a day. Bird on nest; 6 eggs in it on April 21st. Nest was not fastened very securely to the tree and was supported only by two or three branchlets.

Nest was constructed upon the remains of a last years nest. The old structure consisted of rotton roots, twigs and other material with a thick lining of hair which thus formed the center of the structure. The new material consisted largely of coarse rootlets mixed with a few feathers. The lining was of hair. A large quantity of manure in bottom the lining being scanty there.

Broken (9×7½) 4½ Inches. (3¾×3½) 2 Inches.

Brewer's Blackbird. 9/5-5. 510.

LOCALITY Chualar, Calif. DATE May 1-1899.

COLLECTED BY B. P. Silliman. IDENTITY Positive!

Advanced.

was situated about 7 feet from the ground and was securely fastened being rammed in between the trunk and a parallel upright limb of a cypress tree (rather small) growing in a hedge— Nest was quite near to a frequently used pathway.

Nest was built upon remains of a last years nest and was quite compact for the species and including the old nest formed a high but not a very wide structure. It consisted of a great variety of material—twigs, weed stalks, feathers—stuck together with mud and lined with hair.

OF EGGS

3669

Brewer's Blackbird. 10/5. 510.
Chualar, Calif. May. 2-1899.
O. P. Silliman. Positive.
Fresh

was situated about 9 or 10 feet up in a cypress tree having a good many short stubby limbs. The nest was placed against the trunk of the tree and supported by several short branches and surrounded by several more, making it a difficult matter to remove the nest without tearing it to pieces. The tree was one of a number growing in ~~a~~ row around a dwelling house forming a kind of a hedge. Tree was quite near to the house and was passed and repassed several times a day.

Nest was a loose, straggly and rather small structure of roots & weed stalks, feathers, and a thick lining of hair.

#3669.

| No - 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|
| 25.x 18.5; | 25.x 19.; | 25.x 18.5; | 25.x 18.5; | 25.5x 19. |

House Finch - SET 2/5. A.O.U. No. 519.

LOCALITY Chualar - Cal. DATE May 3-1899.

COLLECTED BY O.P. Silliman - IDENTITY Positive

INCUBATION Slight

NEST was situated about 10 or eleven feet from the ground in a cavity in the limb of a large oak tree growing near a deserted dwelling. The location was the western slope of some foot hills. This house was on edge of a grain field and near a pasture covered with brush and scrubby oak trees. The limb was one of the lower ones and was a good deal decayed especially at the extremity where the nest was situated. The limb had been sawed off about four inches below the cavity in which the nest was placed. At the place of nesting the limb was five and one-half inches in diameter. The cavity in which the nest was placed was on North side of limb about midway between top and bottom. Nesting material was of grass, grass fibers and green weeds. A few pieces of bark shreds, hair, feathers and weed blossoms were innermost. There was a large white feather on brim.

SIZE OF EGGS No-1 19.5x14; 2 20.5x14; 3 19.x14; 4 18.x14; 5 20.x14. M.M.M.

Cavity 2 1/2 by 1 1/4 Inches

3672 — 1/

Brewer's Blackbird. SET 11/5. .5/10.

Chualar-Cal. May — 1899.

Oscar F. Stillman.

Fresh.

was situated in limbs of a large cypress tree growing in hedge near windmill while not far from a dwelling house. About 18 feet from ground.

Nest was built upon a small part of last years nest and the new material added was very scanty—consisting of a few weeds, a few feathers and a thick lining of hair.

#3672

No- 1- 2- 3 — 4 — 5

25.x 18.; 25.x 18.5; 25.x 18.5; 24.5 x 18.; 25.x 18 m.m.

Brewer's Blackbird. 1/5. 570.

LOCALITY Chualar - Calif. DATE May - 4 - 1899.

IDENTITY Positive.

COLLECTED BY Geo. F. Simmons.

Fresh.

NEST in thick limbs of a cypress tree of considerable size growing in blord of same near a windmill and not over 20 or 30 feet from a dwelling house. I should judge that this nest was about 18 feet up.

Nest was perhaps a little undersized the walls being rather thin.

Nest composed of small rootlets, twigs, feathers, sacking and leaves, all mixed together and interspersed with manure which made the whole firm and solid. A very thick lining of hair was used. Several feathers were stuck about the edges (brim).

No - 1 — 2 - 3 - 4 - 5.

SIZE OF EGGS 24.5 x 17.; 25. x 17.; 26. x 17.5; 25. x 17.; 25.5 x 17. M.M.

SIZE OF NEST OUTSIDE 7 x 8 x 3 3/4 Inches. INSIDE 3 1/2 x 2 5/8 Inches.

Brewer's Blackbird. 3/5-5 510.

Chualar-Cal. "May-8-1899.

ED BY O.P. Silliman; Good

ON {2 advanced.
{3 infertile

was a flat low but fairly compact structure of very coarse roots, weedstalks, etc. lined with hair cemented at bottom with mud.

SIZE OF EGGS. Broken.

38√

Brewer's Blackbird. 14/3-1. 510.

LOCALITY [illegible] DATE June-6-1891.

COLLECTED BY C. T. [illegible] IDENTITY Positive

[illegible]

NEST: 8 ft up in a cypress and was quite neat ex species, rather undersized and well lined with coarse hair. It was placed upon remains of a former nest and was cemented with mud and dung. It consisted chiefly of rootlets, twine and a little of several other materials.

One broken; .24x.18; .24x.18; .24x.19; .25x.19 in.

Brewer's Blackbird. 5 fresh. 5 [illegible]

LOCALITY Tomales, Calif. June 8-97.

[illegible] W.H. [illegible] Ground.

[illegible] Unknown.

No notes taken

25.X.17; four broken. M.M.

House Finch. 3/5. 519.

LOCALITY Chualar, Cali. DATE June - 6 - 1899.

O. T. Nilinger Good

Fem.

about 9 ft. up from the ground in the small sprouts at the end of a slender cypress limb. The nest was placed against the trunk of a eucalyptus tree that grew near the cypress tree.

Nest was a small poorly constructed structure of green (now dried) malva stalks with seeds attached, a good deal of cotton, a feather or two, with a lining of fine horse hair and wool.

Locality was not far was a house and was by an old dairy

No. 1 — 2 — 3 — 4 — 5.

E OF EGGS. 20.x 14.5; 19.5x14.5; 20.x 15.; 20.x 14.5; 20.x 15.M.M.

4¾ x 5½ / 2½ Inches. 2¼ 7 Inches.

41✓

Least Tern. 1/2-2. 74

LOCALITY 4 mi. w. of Castroville Cal. DATE June-24-1899.

P. Dillman Positive

Far advanced

was a slight cavity in the fine gravel of a sligthly sloping beach about 25 yards from high water mark although in stormy weather water may run down the incline as far as the nest. The sand was covered with fine pieces of drift wood and several beach plants were growing in the vicinity of the nest. These latter being for the most part low trailing plants. The nest contained no lining of pebbles or other materials and it is difficult to state with exactness whether the cavity was excavated by the parent bird or whether it was a natural one. Birds were flying about and were quite demonstrative and at times would dive down at my head. Within a radius of 20 steps were two nests of the Snowy Plover containing eggs.

Broken

3½ 5/8 Inch.

42√

Snowy Plover. SET 1/3-1. A. O. U. No.

LOCALITY Castroville - Cal. DATE June - 24 - 99.

COLLECTED BY Oscar P. Silliman IDENTITY. Positive.

INCUBATION Nil, one embryo, fresh or infertile, small embryo.

NEST was situated very near to last set and was on sand in a slight cavity. It was situated on a miniature knoll elevated 2 or 3 inches above surrounding sand.

Several small pebbles lined the nest but there were fewer than usual I think.

A small piece of drift wood was very near to one edge almost touching it in fact; other pieces were near the nest.

The Birds were running about occasionally uttering a cry but were not as demonstrative as usual. One was shot.

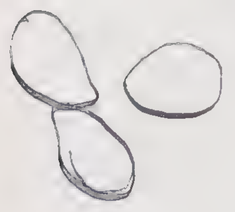


Diagram of position of eggs in the nest.

SIZE OF EGGS. One broken; 32 x 23; 31 x 23 M.M. 2½ 5/8 Inches.

Snowy Plover. 2/2

Castroville, Caly. June 24 1897.

[illegible] Positive

Far advanced.

was very near to last 2 sets, similarly situated and was at the edge of one of the trailing beach plants referred to. It was a small one however. About the plant was an elevated place probably 2 inches higher than surrounding sand. Nest quite thickly lined with small pebbles and no drift was nearer than several feet. Could not distinguish parents from those of last nest but am confident all four birds were near.

Eggs placed side by side.

No. 1 - 2.

30. x 21.5; 29. x 22.5, M.M.

3. x 1/2 (or a trifle over) inches

44

Least Tern. NO. 2. 7—

LOCALITY [illegible], Cal. DATE. June-27-99.

COLLECTOR OPS IDENTITY. Good!!

Far advanced. NEST was situated on a flat sandy beach covered by short pieces of driftwood. Several small chips of drift being very near the nest. No lining at all. A small piece of wood at one side of nest.

2 Birds flying about. Nest 150 yds from high water mark. Snowy Plover nest 15 ft away.

No. 1 — 2

SIZE OF EGGS 31.x 22.; 31.x 22. M.M.

DEPTH OF NEST INSIDE. 4 x 3/4 Inches.

Snowy Plover. $\frac{3}{a}$-2.

Carpinteria, Cal 6-2--11

O.P.S. 7-[illegible]-11

2 far advanced - one infertile but not addled. Nest was close to last, situated in a lot of fine pieces of drift on sand near center of a "hillock" elevated 1 or 2 inches above surrounding beach. What seemed to be an old nest was about 5 ft. away. Eggs with smaller ends together. One a little to one side however. Nest lined with small white and brown pebbles and a few fine slivers of wood (an inch long) at side and in nest.

Broken.

3 - 1/20 inch

Least Tern. 3/2 7-

LOCALITY [illegible], Wa. [illegible]

W.R.S. IDENTITY. [illegible]

Fresh.

was merely a hollow in the sand or rather the fine gravel covering the beach. A few pieces of gravel (not large) were in the nest but I think that it was purely accidental. Nest about 40 or 50 yards above high water mark. Very little drift near nest as the location was an open gravely beach.

No-1- 2.

EGGS. 33.5x 22.5; 32.x 22. M.M.

~~OUTSIDE~~ INSIDE..3..x..5/8 Inches.

1166-OPS

Snowy Plover. 4/3.

LOCALITY Castroville, Cal. 6/24/99.

O.P.S. IDENTITY. Good.

Small embryos.

was situated in rather open sand or gravel containing in its cavity a few fine pieces of gravel, shell and a small piece of bone. ~~Elevated~~ one or two inches above surrounding beach. The sand about the nest was covered with chips—probably some one had been cutting up drift wood here. Several small chips were quite near nest. Eggs had sunken a little into sand. Smaller ends not quite together al~~th~~though they were nearer center than the larger ends. Cavity quite flat. Birds were seen near the nest.

No. 1 - 2 - 3

30.5 x 23.; 31.5 x 23.; 30.5 x 23 M.M.

INSIDE. 3½ x ¾ Inches

48

30/10

California Thrasher. SET 3/3 ~~IIII 8~~ A. O. U. No. 710.

LOCALITY Castroville - Cal. DATE, July - 4 - 79.

COLLECTED BY O.P.S. IDENTITY. Positive.

INCUBATION ———

was situated in the top branches of a grease wood shrub that was leaning at an ∠ of perhaps 45°. The shrub was covered by a trailing wild blackberry vine and poison oak but not sufficiently to hide the nest which was exceedingly large and bulky. The parent bird had evidently just left the nest as the eggs were still warm. At my approach she began to remonstrate, approaching quite closely and once picked up something not over 4 feet from my feet. Only one bird seen. Vicinity was a thicket of willow saplings, greasewood, vines, etc. in low swampy land along the bank of the Salinas River not far from its mouth. Nest was some distance from edge of thicket. Top of nest 3 ft. from ground.

Nest was higher than usual but not wider. Nest was composed of a large platform of large but uniform twigs, - some 2 inches long and ⅛" in dia. - On top of this was a lining of finer material consisting of bark strips & then a thick layer of rootlets and inside a few hairs.

30. x 21. ; 30. x 21. ; 30. x 21.

(6 x 10) 5½ Inches 3½ - 2 [illegible]

NAME Snowy Plover. 5/3-3. A.O.U. No. 278.
LOCALITY Castroville, Cal. DATE July-4-899.
COLLECTED BY O.P.S. Both birds

NEST on sand slightly elevated above sourrounding bar. The nest was sourrounded by small pieces of drift, and was thickly lined with fine pebbles. Eggs sunk into sand considerably, and not placed with smaller ends together. Both birds seen and one bird probably female was very demonstrative feigning lameness and simulating death. Flat sandy beach covered with drift - 100 yards about present high tide marks.

Snowy Plover. c/3- 3. 2-7-8.

LOCALITY Castroville. DATE July-4-1899.

COLLECTED BY A. P. S. IDENTITY Positive.

INCUBATION ———

NEST was on a sandy beach scarcely higher than surrounding sand, but surrounded by pieces of drift and bones. Nesting cavity quite small and lined with pebbles. Small ends of eggs towards center but not quite together. Birds not so demonstrative as those of the last set. Location exactly as in last set. Both birds seen.

All of the foregoing sets of Plover and Tern were taken from one colony and were only a few hundred yards apart at the farthest and essentially about the same kind of beach.

End of season of 1899.

SIZE OF EGGS ———

SIZE OF NEST ——— INSIDE ———

Season of 1900.

Black Phoebe 1/4 458

Castroville, Cal. April - - 1900.

Oscar P. S. Bird seen.

Sight

was situated under the eves of a barn about four feet from the peak of the roof and about eleven feet up. The nest was [illegible] solid structure of mud pellets evidently mixed with a little fine straw hair and barnyard manure. The nest was thickly lined with fine straw and a thick coating of hair innermost.

Near dwelling and in plain sight of passersby.

External dia 4 1/2" x 3" depth 3 1/4"

Cavity 2 3/4" in dia 1 1/2" deep.

Nest on north side of building.

No-1. .75 x .58; 2. .77 x .58; 3. .76 x .57; 4. .76 x [illegible]

52

Black Phoebe ~~458~~ 7/4 … 458.
Castroville Cal.
Oscar P. Silliman [illegible]
nest

was placed under the eaves of a large deserted barn at the peak of the roof and about 20 ft. up. It was composed of mud pellets held together with straw, hair and barnyard manure. Upon this foundation, which in shape was half of a conoid securely cemented to the wall, was placed a thick lining of fine straw grasses and hair. The lining was rather thicker than is customary in nests of the present species. The hair and grass fibers formed the innermost part of the nest. Nest was on the south side of the building and therefore exposed to the harshest storms.

unbroken

Allens 434

Rufous Hummer 1/2-2 ~~433~~

Locality Watsonville Santa Cruz Co 4-21-1900

Oscar F. Allen [illegible] Good

Fresh

was about five feet from ground on a wild blackberry vine in a scattering clump of these vines growing and trailing over a few willow sapling in a narrow wooded strip along the banks of the Pajaro R. Bird flew from nest at my approach and alighted for a few seconds on a twig about three feet from it. Nest was attached to a large leaf and to the main vine of one of the blackberries. The latter of these being in a slanting position. Nest destroyed before I [illegible]

Inside Nest destroyed [illegible]

Rufous Hummer 2/2+1 #13
Watts? Santa Cruz Co., Cal. 4-30-1901
D. P. Silliman. IDENTITY Positive.
Fresh.

Nest was about four feet from the ground fastened to the main vine and a small shoot of a trailing blackberry vine growing in a thick willow swamp where the foliage high up in the air at the tops of lofty trees was so thick as to exclude to a great degree the rays of the sun. The undergrowth was very scanty at this place and consisted of a few wild blackberry and poison oak vines. Bird left the nest at my approach but returned to the vicinity in a few minutes.

Nest the usual structure of vegetable down [illegible] with [illegible] the down no doubt from willow catkins in parts [illegible] the [illegible] to be seen [illegible] of nest. Externally the nest was covered over one half or more of its surface with lichens or "sphagnum moss" [illegible] a beautiful [illegible] and then

No-1-.53x.31; -2- broken.

[illegible]

Snowy Plover. 1/3-3. 278 ~~7-1-1900~~
Castroville. 7-1-1900
O. P. S. Both birds seen.
Hatching.

was situated on a large sloping sand bar that occupied the former mouth of the Salinas R. Eggs were situated at an elevation of about 2" above the rest of the sand. A large piece of kelp lay an inch from the eggs and protected the nest from the wind. Lying near the nest were a feather and some fine shreads of sea weed (4 eggs) the latter partly covered by sand. Nest was simply a slight depression lined with water worn pebbles and bits of shell none over 1/3" across. Lining varied from 1/4 or 1/3" in thickness on outside to 3/4" to 1" at centre of nest. Eggs had sunken nearly 1/2 of their depth into sand. Eggs placed trefoil fashion, small ends together. Both birds about nest uttering cries and lying on the sand as if injured or dead, or flying along apparently with a broken wing. Their note was a twittering syllable repeated 3 or 7 times. Pebbles of lining extended 3" in diam and center of nest was depressed from 1/2" to 3/4" lower than sourounding sand.

2 eggs destroyed 12/27/37 OPS

NAME Snowy Plover. SET 7/3.-1 278

LOCALITY Castroville DATE 7-1-1900

COLLECTED BY O. P. S. IDENTITY Positive.

INCUBATION Fresh

NEST was situated at a 3" or 4" elevation above surrounding sand bank and was encircled by bright splinters ranging from 1/2" to 1" in length and so thick as to cover 1/2 of surface of elevation. Strange to relate the only lining of nest were a few small shreds of kelp probably blown there by wind and a small bone about 2" long. Sand was coarse and was just above highwater mark.

Several birds were running about sand among these were the parent birds no doubt.

Eggs slightly sunken into sand, small ends not together at center of nest.

No. 1 1.29 x .94. 2. 1.28 x .94; 3. 1.27 x .93.

3", 1" deep.

Least Tern. 1/2. 7/4.
Castroville. 7-1890.
O.A.S. Positive

just begun.

A slight hollow in bare sand. No lining. Eggs placed side by side. A few pieces of drift at a little distance from nest.

Locality was a stretch of sand near high water mark and dotted here and there with sand dunes 4 or 5 feet in heighth. Birds flying about. Nest in small colony.

Nest 3½" in dia. (1¼ in depth)

Meas. 1.16 x .89; 2. 1.19 x .87.

Snowy Plover. 3/3-3. 278.
Castroville. 7-1-1900.
O.P.S. Good.
Heavily incubated.
was situated on level sandy beach near highwater mark on a slight (1"-2") elevation in same. The beach at this place is covered with numerous pieces of drift wood. Several quite large pieces on the wind-ward side of nest.
Small ends together.
A very few pebbles in nest and one or two shreads of kelp and a piece of grass stem 1½" long. Nest in colony.
Birds near nest.
Eggs slightly sunk in sand.

3½" ¾" deep

* Least Tern. 2/2-2 7+
Castroville 7-1-1900.
O.T.S. Fortune.
Inc. advanced.

a mere hollow in sand with no lining. Eggs pointing in opposite directions. A piece or two of drift (a few inches long) near nest also a beach plant about 2" high. A few small sand dunes 3 or 4 ft high dotted the otherwise level sand beach located near high water.

Birds flying about.
Nest in colony.
Nest shallow.

dia.
3" 1/2" deep

Snowy Plover. 4/3-3. 278.
Castroville. 7-1-00.
O.P.S. Positive.
Heavily incubated.

was situated on a slight mound elevated about 4" above the sourounding streck of sand which is near high water mark and is covered by small sand dunes 4 or 5 feet in heighth.

Sourounding the nest were several small bits of drift, some quite close to eggs.

Small ends together.

Nest lined rather scantily with small pebbles 1/4" in dia.

Eggs were depressed in the sand upon which they were lying.

(Birds were near but showed) little concern for their nest.

4" 1" deep

1159/

Snowy Plover. 5/2 7/8.
Castroville. 7-4 1900.
O. P. S. Todd.
Well begun.

in old colony, on very coarse sand. Only 1 or 2 pieces of drift near. Nest lined quite thickly with pebbles and pieces of shells. Eggs pointing in opposite directions. Birds near. Nest on sloping drift of sand beach having feet elevations.

No-1 1.21 x .92; 2. 1.28 x .92
2½ 2½" 3/4"

Snowy Plover. 6/3-1. 278.
Castroville. 7-8-00.
O.S.S. 7 Good.
Slight.

was situated on a level stretch of sand just above high water mark and dotted here and there with mounds of sand covered with beach plants. Nest was a hollow in coarse sand of beach and sparsely lined with ~~lined with~~ a few pebbles and water worn bits of shell. A few pieces of drift from 2" to 16" in length ~~in length~~. were near the nest. Small ends of eggs were together. Birds were near but were quiet. A small charred sitck 3" long and a feather partly covered with sand. were very near the nest.

Nest - 4" in dia. x 3/4" in depth.
Good sized cavity for species.

End of Collecting for
Season of 1900 A. D.

1-1-broken; 2. 1.19 x .94; 3. 1.18 x .91

Collecting season of 1901 A.D. 63

Bryant's Marsh Sparrow — [illegible]

5×2c

Western Savanna Sparrow 1/4 542b

Castroville Cal. March 23-1901

Oscar P. Silliman Probably Correct.

Fresh.

was in a slight depression in the ground and well hidden from view by the surrounding weeds. The locality was a level piece of farming ground that had been flooded by water from the river and had grown up here and there with clover, wild turnip mustard and other weed. The place was still quite damp and not far off a small pond of water was still standing. The nest was placed in a bunch of clover and a single mustard a foot or more in heighth at the bottom of which the nest was placed. Bird was on nest and did not flush until my six plow horses had passed the nest and the plow and tires only about 2 or 3 feet from the nest. I think I saw both birds at a distance later.

Nest was composed of dry weed stalks, straws, sugar beet leaves and fine grasses lined with fibrous grasses and shreads of weed stalks all of a finer texture. Outer material very dark colored.

Nos. (1) .70×.52, (2) .6[illegible]×.51, (3) .69×.53, (4) .70×.53.

(5×4) 2½ inches. (2 3/8×3/4) × 1 3/4 inches.

64

[illegible]
little string and a few hairs.

House Finch 1/4 519
Castroville, Caly April-14-1901.
Oscar P. Silliman. Positive!
slight

was located in a barn about 8 ft. from the ground. The barn was so constructed that the ends of the shingles of the roof of the shed part protruded into the main building four or five inches and upon these shingles the nest was placed in a corner formed by them and one of the upright timbers of the barn. This barn has been used yearly as the nesting place of a dozen or more pairs of these birds during the six seasons I have known it. The birds nearly always choose a location similar to the one mentioned or a deserted nest of the Black Phoebe or Swallow. Often the nests of successive seasons or broods are piled one upon the other until quite a mound of material has been collected.

Nest was merely a relined old one composed almost entirely of fine fibrous material of various kinds mostly weed stalks,

No.- 1- 2- 3- 4-
.70 x .56; .71 x .56; .73 x .56; .76 x .55.
5x6½ 3 inches 2½ 1½ in.
Very irregular in shape.

[illegible]
[illegible] nest.

House Finch 2/5-2 5/9.
Castroville April-25, 1901.
Oscar P. Silliman. Positive.
small embryo's

was in an old one of the
Black Phoebe (or possibly of the barn swallow) situated upon the
rafter of the shed of a large old
barn about eleven feet from
the ground. Quite a colony
of these birds nest here every
year (vide notes of 1/4-1901)
The Phoebe's nest was the usual
semi-circular structure of mud
pellets held together by fine rootlets
The Finches had added a lining
of fibrous weed stems, bark,
sack twine, burlap ravelings, feath-
ers, straw, cotton string, green
leaves with horse hair and ravel-
ings for an inner lining. Nest
was in plain view. Bird on the
nest.

No. 1 - 2 - 3 -
76 x .52; 70 x .52; 72 x 53.; two broken.
none taken

66 √

House Finch 3/4—11 5/7.

Castroville Cal. DATE May 1-1901.

COLLECTED BY Oscar P. Silliman Positive!

small embryos

was situated exactly as set 4-901 except that it was not in the angle formed by the uprights but was midway between two.

It was quite an ordinary nest being constructed entirely of new material. It was composed chiefly of weed stems of various kinds and quality but it also contained rootlets, green weeds, cotton string, straw, sack twine and was lined with fine shreds, from the outer parts of weed stems, also one or two hairs.

As the nest was placed against a wall it was not circular in shape.

Broken.

8"x4"x2" 2" x 1⅝"

Bryant's Marsh Sparrow
4-14-06 - O.P.S.

3961

542 c

Wn Savanna Sparrow 75 542 b.

Castroville. May-17-1901

O.P.S. Both parents seen.

Very slight.

was placed in a very slight hollow in the ground so that half of the nest was above surface of the ground. It was in a clump of low straggling malva weeds growing in a piece of farming land that had not been planted yet and was covered here and there with straggling weeds.

Both birds were seen and showed much concern about their nest. The nest was discovered by flushing the bird from the nest.

The nest was ~~a~~ quite well ~~loosely~~ constructed for the species of dry coarse grass blades finer grass blades and fine round grass and lined with horse hair and "fox-tail" showing through the lining on the bottom.

3961

Egg No. 1 .70 x .55; 2 .66 x .55; 3 .70 x .56; 4 .68 x .55;
5 .69 x .56.

4.5 x 4 in 3.25 in. 2.5 x 2.25 2 inches

68 (Nuttalls Sparrow ?-)
[illegible]

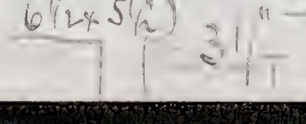
Gambels Sparrow 1/4-3. 554a
Castroville, Cal. May-30-1901
Oscar P. Silliman Probably correct.
medium embryoes

was about two feet from the ground in a bunch of malvas.

The malvas were growing alongside of a deserted barn in a cultivated field not far from several dwellings. Bird was flushed from nest which was discovered in process of construction some time previous.

Nest was rather large and loose and was constructed externally of straw, grass and weed stems and blades. The cavity was lined first with fine grass stems with an inner lining (quite thick) of hair and a feather or two. Cavity was placed at one side of the nest.

Three broken; .88 x .65 inches.
2.6×2.3" 1.8"



Season of 1902 A. (B)

Intermediate Wren Tit
[illegible]

Wren Tit. 1/2 742.
Castroville. April 23 1902.
O. P. Silliman. Bird on nest.

was situated about 2½ feet from the ground on small horizontal branches of a small dead willow sappling and of a grease wood bush neither more than three feet high. Nest was scarcely fastened to either. The situation was in a thicket of willow sapplings about an acre in extent (none more than 7 or 8 ft high) growing in a sandy piece of ground near Salinas R. that is frequently flooded. Bird was exceedingly tame approaching within arms length. Once within 18" eyeing me continually. Its call note which was frequently uttered brought its mate who was much more shy however.

Rufous Hummer. 1/2. 433.
Castroville. April-23-1902.
O.P. Silliman Bird seen.

was fastened to a wild blackberry vine that was supported by a ~~wild~~ small willow sappling ~~that~~ and was about three feet from the ground. Locality was in a thicket of willow sapplings growing near a "slough" that had been the bed of the Salinas River formerly. Among the sapplings wild gooseberry and blackberry vine were growing. Nest was near a partly open pathway running through the thicket. Bird was evidently scarred off by my approach but she soon "returned" and came within a few feet of me.

Cali. Bush Tit. 1/7 443a
Castroville. April 23/1902.
O. P. Silliman. Good.

About 7 feet high attached to 2 runners of a wild blackberry vine that was trailing from a willow sappling. Nest situated near cast.

Rufous Hummer 3/2. A. O. U. No. 433.

Castroville. DATE April - 23 - 1902.

O. P. Silliman

about 3 feet up attached to grease wood and cottonwood sappling. Bird flushed.

Bryant's Marsh Sparrow
-14-04 O.P.S.

Wm. Savanna Sparrow. 1/5. 542b.
Castroville. Identity. Bird seen.
O.P. Silliman. April-10-1902.

was situated in a cavity in the ground probably three inches deep, in a dry alkali slough in which barley had been planted. The grain was very thin and scarcely over a foot high. Nest was in a small clump of grain and wire grass. Bird flushed from nest.

Snowy Plover. 1/3. 278.

LOCALITY Castroville DATE June - - 1902,

COLLECTED BY O.P. Silliman, IDENTITY A little doubtful.

small snaly

Snowy Plover. 2/3-2. 278.

Castroville. DATE June - 1902.

O. P. Silliman. DENSITY Positive.

Snowy Plover. SET 3/3-1. 278.
Castroville " DATE June - 1902.
O. P. Silliman IDENTITY Positive.
large emby.

Snowy Plover 4/3-2 278
Castroville June 1902
C. P. Silliman Positive

Snowy Plover. 5/3-1. 278.
Castroville. DATE June-2-1902.
O. P. Silliman. Positive.
large embry.

1140

Snowy Plover. 6/3. 278.

Castroville. DATE. June 2 1902.

O. P. Silliman. IDENTITY. Positive

small [illegible]

Nest a slight hollow in sand of beach lying between the river and the waters of Monterey Bay These hollows are always lined with small white waterworn pebbles and bits of broken shell.

Least Tern. 1/2-(2) .74.

Castroville DATE June -, 1902.

D. P. Silliman. Positive

[illegible]

Least Tern. 2/2-2. 7$^{4}$.
Castroville. June - - 19/02.
O. P. Silliman. Positive

82

Least Tern. 3/2 74.
Castroville June 1902
O. P. Silliman.
large emby.

Least Tern. 4/2. 74.
Castroville. June - 1902
O.P. Dillman Positive
large embry -

84

Least Tern. 5/3. 74.

Castroville June - 1902.

O. P. Silliman

well formed [illegible]

Least Tern SET 6/2-1. 74.

Castroville DATE June - 1902.

O. P. Silliman Positive

well formed embry

Season of 1903. A.D.

Brewer's Blackbird. ~~7B~~ – 1/4 – 2. 510

Castroville, Cal. May-3-1903.

O. P. Silliman. Positive.

small emby.

was situated about 10 feet from the ground in crotch of young willow tree and not far from its top. The tree was growing in a thick grove of young willows growing in a ~~some~~ tract of low wet sandy land situated along the Salinas River and not far from its mouth. Parent bird on nest. "A small colony nest here each year only two new nests were discovered today however.

1/4-1.

Mexican Horned 1/4-4-7 4 e 4-7 4 e.
Castroville Lark. May 3-1893-
O. P. Silliman. quite positive.
fresh.

Snowy Plover. 1/2. 278.

Locality Castroville. 5/31/03.

O. P. Silliman.

Far advanced.

Snowy Plover. 2/3. 278.
Castroville. 5/31/03.
O. P. Silliman.
small embryos.

2313

Bank. Swallow. 1/4.

Castroville, DATE. June - 21 - 03

O. P. Silliman. (2)

Fresh.

in bank - 6 or 7 feet from bottom and was placed at extremity of burrow which was about 14 ft long.

1144

NAME Snowy Plover. 3/3. 278.
Castroville - Cal. June - 21 - 03.
O. P. Silliman. positive
small embry.

was on the beach sand and was placed beneath a twig ~~that~~ was sticking into the sand. Several other twigs and pieces of drift were near the nest.

Nest was simply a slight cavity with a lining of small whitish pebles and pieces of broken water-worn shells.

Location was near top of a sloping sand-bar (sloping away from the ocean) that was situated between the ocean and a slough and so low that in rough weather waves go entirely over and their water runs into the estuary.

Least Tern. 1/2. 74
Castroville-Cal. June-21-03.
O. P. Silliman. Positive.
well formed emby.

a slight hollow in sand on sand bar not far from high water mark; the lining consisted of only about half a doz. small pebbles. Several small piecies of drift scattered about beach near nest.

Situation was a flat sandy beach scarcely above high water mark which is dotted here and there with small vine-covered hillocks varing from a foot to 4 or 5 feet in heighth.

Snowy Plover. 4/3. 278.
Castroville-Cal. June-21-03.
O. P. Silliman Positive.
well formed emby.

was in a hollow in sand on a slight hillock raised about a foot above the sourounding beach. Several small piecies of drift scatted near. The hollow was lined with scarcely more than a doz. pebbles.

Least Tern. 2/2. 74.
Castroville - Cal. June - 21 - 1903.
O. P. Silliman.
large emby.
Nest a slight hollow in sand on one side of two pieces of drift. other pieces not far off.

Least Tern. 3/2. 74.
Castroville. June-21-1903.
O. P. Silliman.

was a slight hollow in bare sand of beach. No drift nearer than a foot and a half.

Snowy Plover. 5/3. 278.
Castroville DATE June-21-1903.
O. P. Silliman. IDENTITY Positive.

was a large flat hollow in sand filled with a great many pebbles and pieces of broken water-worn shells and was along side of a piece of drift-wood about 14" long and 1½" in dia. Other smaller piecies also near nest.

Nest was on flat slightly sloping beach in colony of Snowy Plover and Least Tern.

Least Tern. 4/2. 74
Castroville June-21-1903.
Oscar P. Silliman. Positive.

a slight hollow on flat, slightly sloping beach and entirely unlined. Sand about nest was an inch or two higher than the sourounding beach. Three pieces of drift wood about a foot long were within a few inches of the nest. Many smaller pieces of drift scattered about beach near nest.

NAME Least Tern. 5/3. 74.
Castroville. DATE June-22-03.
O. P. Silliman. Positive.

NEST on sloping sandbar lying between the beach and an estuary that runs parallel to the beach at this place and about 100 yards from it. Nest near crest of sandbar which is sometimes reached by high waves in rough weather.

Nest a slight hollow in bare sand.

Snowy Plover. 4 3. 2-8.
Castroville. June-22-1903.
O. P. Silliman. ♂ + ♀ seen.

was some distance from main colony and both parents were near acting very much distressed.

Nest on sloping sand bar lying between beach and an estuary into which the Salinas R. empties?. This bar is about 75 yards wide at this place. The nest was on the side nearest the river and about 25 yards from same. A piece of kelp partly sourounded the eggs but no other "drift" was very near the nest although the neighboring beach was quite thickly covered with it.

Nest was the usual hollow in sand lined with small pebbles.

Least Tern. 6/3. 74.
Castroville. June-22-1903
C. P. Silliman. Positive.

was on flat sandy beach 4 or 5 feet from next (278 7/3).
The beach is flat sandy-bar scarcely above highwater mark and lying between the ocean and a slough that runs parallel with the beach here.
The beach and this place is dotted here and there with small vine-covered hillocks-varying from one to 4 or 5 feet in heighth and covered with trailing beach plants and vines. On the flats lying between these hillocks small pieces of drift were scattered. On these flat places the nests were located.
Nest was the usual slight hollow in sand.
Quite a large colony of Tern and Plover nest here.
Nest near center of colony.

Snowy Plover. 73- 2-8.
Castroville. June-22-1903.
O. P. Silliman. Positive.

near last and similarly situated. Nest was a slight hollow in sand and was lined with small white pebbles and pieces of broken shells.

Season of 1904.

Horned Lark. 1/3. 474

Castroville, Cal. May-9-1904.

O.P. Silliman.

Not blown.

was situated in a slight depression of ground in a cultivated field on the bare ground. Weeds were scatted over the field but the birds chose a perfectly bare spot several feet from any vegitation whatever.

Nest was a very loose poorly constructed structure of very irregular shape. A dry barley plant was lying by the side of the nest proper and this had been woven into the nest.

Nest was composed of dark colored grass blades, and fine vegetable fibrous material with a lining of lighter colored grasses and grass blades.

Nest was too irregular to measure accurately.

Season of 1905 A.D.

#492:

Western Meadow Lark. 1/4. 501b.

San Miguel Canon near Castroville Cal. May-10-1905.

C. P. Silliman. Positive.

was a hollow in ground in grass growing in a damp spot at the base of Hill. On one side was farming land and on the other pasture or wood land.

The bird flushed from the nest when I was 3 or 4 feet away thereby disclosing location of nest. It was hidden so well however that it required several minutes search to find it.

Nest outwardly was composed of weed stems and a piece of the husk of the soaproot ~~with~~ & a thick & inner lining of grass (dried.)

Nest was "oven-shaped" and formed a canopy over nest with one side left open.

#492

House Finch 1/6. 519
Castroville Cal. May 20 1905
O. P. Silliman ♀ on nest.

very slight

was about five feet from the ground in the crotch of a limb of a small tree or shrub growing near a dwelling inhabited by Japanese. Nest was fairly well hidden by the sourounding foliage which was very luxuriant. Bird was a very close sitter and returned to nest when I was standing within four feet of it. Both parents seen.

The nest was not a large one of the species but was compactly built. Nest was externally composed of string, rootlets, dried weed stems ravelings, straw and a few leaves. The inner portion of the nest was of ravelings of bale rope and fibers obtained from dried weed stems I think. A raveling from a white cotton string was in the bottom of the nest.

5", 3" 2¼ [illegible]

Nuttall's Sparrow -/
4-14-20 OPS

#4114.

(Gambel's) Sparrow. 1/4 55-6

Castroville Cal. May-20 1905.

O.P. Silliman. ♀ shot.

good-sized [illegible]

was situated about 3 feet from the ground in a species of climber that was found on the south wall of a dwelling inhabited by Japanese. Parent bird was a close sitter and exceeding tame after leaving the nest. Nest was not hidden by shrubbery and bird could get a good view of any one approaching. Only one bird seen.

# 4114.

"Green-backed" Goldfinch 1/5 + n-1. 5
Castroville May-21-1905
O. P. Silliman.

was about 3½ ft up from the ground in the crotch of a grease-wood bush growing in a thicket of young willows etc. not far from the Salinas River and on a piece of ground subject to frequent overflow from the river during the winter season.

Parent bird flushed from nest and was a trifle shy remaining out of sight during my stay, (uttering a cry occasionally) nevertheless.

Nest was externally composed largely of light-colored fibrous material, (of bark and weed stems), vegetable down portions of the external part of a cocoon - a few small rootlets and plant stems. The lining consisted of thistle down which however did not extend up the sides to the brim.

~~E~~ Total external depth - 3 3/8"
" internal h. 1½"
" external dia- 2"
" internal 2"

Goldfinch 7/54 n-5. 530
Castroville Cal. May 23-1905-
O. P. Silliman. ♀ shot.
far advanced

was in crotch of young willow sappling (about 1½' from its top.) growing along the Salinas River and not more than a rod from the water. Sourounding land very low almost swampy. (Near by was a large sand dune or hill left by the ocean at some former period.)

On the opposite side from the river was a strip of cultivated land about a rod distant from the nest.

Parent flushed from the nest and was shot. (Only one bird seen.

Nest was exactly 4 feet from ground. Sappling was growing in an oblique position.

B[illegible]

variety Santa Cruz Song Sp. 6-14-06 - C.P.S. #4154.

Melospiza melodia santa crucis. Grinnell.

port.

Samuels Song Sp. 1/4 x n. 584d.

Castroville DATE. May-23-1905

O. P. Silliman. IDENTITY. Bird shot

Nest

was about one foot up from ground in a small bush (usually found growing on damp alkaline land and having a large composite flower with a sticky substance on it. Plant was growing on the bank of the Salinas River and about 20 feet from and about 8' from some farming land- adjacent land low and swampy with tules growing on R. bank only a few feet away. Parent on nest and exceedingly tame. Bush about two feet high and was taller than sourrounding weeds and grass.

Nuttall's Sparrow - 4-14-06. O.P.S.

NAME Gambel's Sparrow ~~Set 4~~, 2/3 and n - 3. S.S.

Castroville. May 23-1905

O. P. Silliman, Parent bird shot.

Jas Dixon-cld

was about 2 feet up in clump of wild blackberry vines, "Bull nettles" and elder berry bushes - and was placed upon the blackberry vines at their edge so that it could be plainly seen by any one passing by - Parent on nest. She was a close sitter but remained out of sight after leaving nest. Locality was the the S.W. slope of "Mulligan Hill" near fence surrounding same -

-(Brother)

110 Var. Santa Cruz Song Sp.-
4 IX-01-OPS

Samuel's Song Sp. 2/4 and n. 1 581

Castroville. DATE, May-23-1905.

O. P. Silliman. Parent shot.

Nest

was placed in some blackberry vines in a clump of bull-nettles, b-b. vines and elderberry bushes growing on western slope of a large sand dune or hill and but a short distance from the Salinas river.

Nest placed about 2 feet up.

Parent was on nest and was very tame

Barn Swallow. Band n. 613.
Castroville, May 28 1905
O.P. Silliman, Positive.
large embryos

16 ft. on a joist in angle formed by the joist, the end of a rafter and the wall.

Nest was the usual structure of mud pellets but owning to the nature of the place where the nest was situated it was not necessary to use much mud to form the foundation of the nest. The lining however was very copious and gave the generally appearance of being a House Finches nest relined with a heavy coating of feathers and perhaps such was the case. This lining consisted of weed stems rootlets, a piece of straw burlap ravellings cotton string etc. lined with large chicken feathers - mostly white but their were a few colored ones.

Cavity of nest measured about 3"x1½"

Both birds seen -

3x1½"

Bryant Marsh Sparrow
[illegible]

542 =

Sparrow
~~W. Savanna~~ 1/5 & n. 542 b.
Castroville Cal. June-4-1905
O. P. Silliman. Parents seen.

well developed embryoes.

was in a horse-track in the grass at edge of dry slough or hollow.

Nest was discovered by bird leaving it.

~~Nest was quite a neat structure of fibrous vegettable material, grass blades and grass with a lining of hair. A single wild oat was visiable through the lining having been worked into the body of the bottom part of the nest. Nest was quite compactly formed and well cupped.~~

~~Location was a piece of pasture land just back of a dwelling-house and nest was not over 75 yards from the house.~~

~~Both parents seen.~~

~~Nest was almost triangular in general outline.~~

Nest was a very loosely built and slimsy affair-Composed entirely of fine grasses (light colored) lined with a few hairs. Nest very shallow and sides very imperfectly built. Not round but built out more on one side than on the other.

4 x 3 1/2" ~~4~~ x 2 1/2 2. Inches. (2 3/4 x 2 1/2) x 1"
~~2 1/4~~ 1 1/2"

1143

1143 Snowy Plover. 1/3. 278.
Bet C'Ville & Monterey June 7-1905.
O. P. Silliman Position
Sand.

in a cluster of small pieces of drift wood none over one foot - a few small pebbles in bottom of the nest. also one or two very small sticks or splinters. Parent bird heard uttering cry. Nest not in colony.

Snowy Plover 2/3 278.
Castroville Cal. DATE. June-9-1905
O. P. Silliman. IDENTITY Birds seen.
About 1/3.

was on sandy beach in Tern and Plover colony. A few pieces of drift near nest, one over three feet long. Nest lined with pieces of water worn shells and pebbles. Birds about nest.

[illegible]
3 1/4" 1"

1139

NAME Snowy Plover 3/3. 278.
Castroville, Cal. June 9 1905.
O. P. Silliman Position
Beach

slightly elevated above surrounding sand - (2 or 3 inches.) Several pieces of drift scattered about vicinity of nest. Eggs sunken into sand a little. Nest lined mostly with pebbles and a few pieces of water-worn shells. Both parents running about nest, uttering their cry and coming quite close - Largest piece of drift near nest was about 14" long and 11/4 in dia.

Cavity 2 1/2" x 3/4"

Snowy Plover. 4/3 - 3. 278.
Castroville, Cal. June 9 - 1905.
O. P. Silliman. Positive.
far advanced (eggs hatched in incubator)

slightly elevated above surrounding beach. Lining of many pebbles and a few pieces of water-worn shells. Small pieces of drift on sand near beach. One a small ~~drift~~ twig 1" in dia. and 5" long within 6" of eggs. Other pieces that were near were smaller. Parent birds running about, feigning to be injured, by fluttering along on the ground.

Snowy Plover. 5/3. 278.
Castroville Cal. June-9-1905.
O. P. Silliman. Dune
Large sand [illegible]
slight elevated above surrounding beach. Parents about. Little lining used in this nest - scarcely any drift near nest - hollow very slight.

Least Tern. 1/2. 74.
Castroville Cal. June-9-1905.
O. P. Silliman. Positive
Very slight.

Bird about crying vociferously.
Nest a slight hollow in sand of beach.
No lining. Birds alighted on sand
not far from nest.
On a small piece of drift 3" long
near nest.

Snowy Plover 6/3 278.
Castroville, Cal June - 15 1905
O P Silliman Parent seen.
Slight

was a slight hollow lined with a few pebbles and a piece or two of water worn shells. Lining was rather scant for this species.

Nest on a slight elevation or mound a few inches higher than the sourrounding beach. About the nest and half-burried in the sand was a large piece of dry kelp with pods on it, one of which almost touched the eggs. A dry marsh-grass stalk and a very small stick near nest also.

Parent about but rather shy for this species.

Nest on sloping beach lying between the ocean and the Salinas River. At this place beach is about 100 yds. wide and slopes toward the east. Thus protecting the nesting birds from the westerly winds which blow here constantly every afternoon during the period of nesting. Nest in colony of Snowy Plover + Least Tern.

Cavity:- 3" 1"

Snowy Plover, 7/3-7 278.
Castroville, Cal. DATE June-18-1905.
O. P. Silliman, Parent near nest.
Nearly hatching.

Nest lined with many small pebbles and many pieces of water-worn shells, some quite large pieces.

Nest nearly destroyed and eggs almost covered up by sand by the horse I was driving.

Female sitting on nest and was very violent after leaving it, fluttering along the ground, feigning to be injured.

Nest on sloping beach (eastern slope) and scarcely elevated above surrounding beach. Very little drift near the nest.

Broken.

Nest destroyed.

3301

# Season of 1906 - A. D.

Lutescent Warbler - 1/4. & N. 6469.
San Miguel Cañon 4-2-06.
near P'ville.
O. P. Silliman. ♀ seen closely.
Slight - very small embryoes.

was situated on a steep sidehill sloping to the north, under a large oak tree in a grove of 5 or 6 A. in extent sourounded by farming land. The ground under the tree was covered with decaying leaves and twigs through which had sprung up a growth of wild blackberry vines, brake ferns, a wild perennial pea, poison oak and other similar growth none of which was over a few inches high at this time except ~~the~~ few scattering brakes. In a slight hollow among the decaying leaves the nest was placed and its upper edge extended at least 1/2 inch above this bed of decaying leaves. The hollow in which was the nest extended only to the surface of the earth and not into it. ♀ flushed at my approach. I first saw her about 10 ft. from nest flying away. She soon returned and approached several times very close to me once or twice within 3 feet and stayed several seconds. Nest was outwardly composed of decaying leaves and other vegetable matter - probably only arrainged by the birds. Next a layer of fine fibrous grass and a few bark strips - with a thin finer lining of reddish brown fibers and a very little hair.

3 1/2" 2 1/16" 2" 1 1/2"

122 N.B. Eggs of two sets recorded below were the feet of the parent bird-in nest of set 1/4-

Santa Cruz Song Sparrow- 1/4 and n-4. 58, 9 part.

3 mi. W. C'Ville. Apr-8-1906.

O.P. Silliman. ♀ on nest.

Very large embryos.

was situated in a low clump of wild blackberry vines. growing in a piece of low flooded land near the Salinas River. This clump was at the edge of thicket of young willow sapplings but was not in it. Nest was placed upon several of the vines and was near the top of the clump (8" or 10" from it), and while not actually exposed to view was not hard to discover. Top of the nest was 2'-4" from ground. Sourounding ground was very damp and almost boggy, owining to recent floods. Parent was on nest and was a close sitter and soon reappeared after leaving nest and kept uttering her cries. Once she approached within 3 or 4 feet of me. Nest very compactly built for the species. Nest was externally composed of dry leaves (wild blackberry and willow chiefly) which were covered with sediment of the overflow as was every thing else below the "high water mark", and weed stems dry- The lining was of round grasses about sides and brim while the bottom was covered with smaller flat grass blades- Well cupped and very neat inside.

Broken.

3½"x4¼" 2¾ inches 2⅜"x2⅞" 1¾ inches nest not perfectly round.

covered with mud or sediment - no doubt from 4161-
in the bottom were many large and small "sandbugs"

Santa Cruz Song Sparrow- 3/4. 5-8-3 part.

Castroville Monterey Co. Cal. Apr-8-1906.

O. P. Silliman Birdseen-

well formed embryoes- slightly differing in size.

was situated in a small clump of wild blackberry vines and one or two willow sapplings that were growing by themselves in a piece of low land along the Salinas River. This piece of land is covered here and there by clumps of wild blackberry vines and thickets of young willow sapplings- Nest was near top of wild blackberry vines and readily seen from one side. Parent on nest I think although I did not actually see her leave- She returned later but was quiet and did not seem much concerned about her nest. Nest was 3" from the ground and was supported by the wild blackberry vines- but was near a small willow sappling (about 3/4" in dia.)

Nest was composed internally of dry wild blackberry, willow and other leaves. Next was a coating of dry weedstalks and grasses. Lining was of round grasses (fine) and a little hair. Nest fairly compact for species and quite well cupped.

#4161-

($4\times4\frac{3}{4}$) $\times 2\frac{3}{8}$". $2\frac{3}{8}$" $1\frac{7}{8}$" Inches.

Santa Cruz Song Sp. 3/4 + n.-1 581 apart.
C'Ville - Monterey Co. - Apr-13-1906.
J.R.S. Parents seen -

Fresh -

was situated on bank of old channel of Salinas river which at this season of the year contained several feet of water. This bank was about six feet high at this place with water at its sloping base and a wagon road along its top with open fields beyond. Bank covered by a miscellaneous growth of wild blackberry, wild pea and other ~~growths~~ vines supported by willow sapplings some of which were growing in the water. A few tules growing in the shallow water near edge of bank. Nest discovered by flushing parent from nest as I descended from above. Nest 2 ft. up (perpendicularly) from sloping bank and was about opposite its top. Horizontally about 15" from bank.

Nest extremely deep and was composed externally of dead tules, wild blackberry leaves, dry straws, dry wild pea vines with a lining of fine fibrous material (fine shreds of tules) and strips of straw with a few leaves inside. Nest in wild B.B. & wild pea vines.

(4x5) 4 3/4. 2 1/2 1 3/4

Santa Cruz Song Sp. 4/4 x n. 581c port.
Castroville
DATE. Apr-13-1900-
Of. S. Parent flushed.
Fresh-

on bank as described on p-124. and about 40 yards from same. Bank at this place a little lower with fewer willows and more wild blackberry vines. Vines at this place grew out over edge of water.

Nest placed 2 1/2 feet up and was directly over edge of water. Nest supported by several large vines and exposed to view from side of water. 8 or 10' from road. Bird tame but quiet.

Nest composed of straws dry tule strips dead leaves (wild B.B.) with inner lining of finer grasses and tule strips with a few hairs innermost.

Nest loose in construction with ends of straws and other material sticking out.

8/ 3/4. 2 1/2 x 2 1/4/ 1 3/4

#4162.

Santa Cruz Song Sp. 5/3 - 5 8/C part.

Castroville! Apr-13-06

O.P.S. Positive

Large embryos.

was situated in a clump of small cottonwood and willow sapplings overgrown with wild B. B. vines at a rather open place along old river channel. Nest supported by dead branch of yg. cottonwood and surrounded by a few vines and was just over edge of water at the bottom of bank and about 10 feet from road. and 5½ to 6' above water.

Parent on nest - she made no outcry.

Nest quite exposed from one side.

Nest a loosely constructed affair of dry tule strips, dry leaves of W. B. B. vines and dry straws with inner lining of fine dry shreddred tule stalks and grasses with a few hairs innermost.

#4162.

6 x 4 3/4 2¼ 1¾.

# 4159.

Santa Cruz Song Sp. 6/4 + n. 581d Part.
Castroville. Apr-13-06.
O.P.S. Q Slen-
Fresh.

was in wild blackberry vine growing along bank of old river and was just over edge of water. Blackberry vines quite thick with many yg. willow sapping near some growing in water.

Nest supported by several vines and partially hidden by them.

Nest well made for this species and quite compact. It was composed of rootlets dead leaves, straw, strips of dry tules lined with shreds of tule straw and other fibrous stuff. Lined with one or two black hairs.

Bird quiet. Nest 10' or 12' from road, and about 4' from edge of water.

N-4254

Santa Cruz Song Sparrow - 7/4 x n. 581 Spart.

Castroville. Apr-13-06.

O.P.B. Parent seen -

Fresh.

was placed in some B. B. vines and supported by several of them growing on bank of old channel near roadway and was about one foot perpendicularly from edge of water in which many small willow sapplings were growing. Nest was on edge of vines next to water and but partially hidden by them. Nest 4½ feet from bottom of bank perpendicularly from it and 3 or 4' vertically and just a little below top of bank.

Nest large for species, loosely made externally, firmer and neater inside. Externally composed of many leaves small twigs, straws pieces of tule a blade of grass (leaves were wild b.b. cotton wood and willow all dead) Inside were finer shreds of grass and tule with an exceptionally thick lining of red hair. Bird near but quiet.

(4x5) 3½ - INSIDE 2½ x 1½ -

Santa Cruz Song Sp. 8/3+ n. 581 Spent.
Castroville - Cal. Apr-13-06-
Ops. Good.
Well formed embryos.

was situated near the top of a low clump of wild B. B. vines growing on low land near old river channel and 5 or 6 feet from farming land. Vines growing in a clump of saplings. Nest supported by several vines and well hidden by a canopy of leaves. Parent came uttering chirping cry continually. Eggs covered with mud from feet of parent. Nest 2½' up - firmly constructed with a large quantity for this species.

4156

Sparrow -

Santa Cruz Song 94 x n. - 5 of c.

Castroville. Apr-13-06. part.

O.F.S. Positive

Fresh.

was situated in a wild B.B. vine near the broken end of a small willow sappling on a slight bank and was about 4 feet from the ground. Locality was a piece of willow land growing along old channel of river on the side next to the island near whose outter edge some wild B.B. vines were growing. Nest was 4 or 5 feet away from farming land and was in plain sight of anyone walking by. Parent about and quite tame.

Nest was constructed externally of green wild B.B leaves a rather unusual occurrence.

4156

Nest was a compact~~ed~~ neatly made structure of bark strips, fine grass blades and sphagnum moss and other fine, fibrous plant materi-ial with a thick lining of hair. A large bunch of sphagnum moss on lower side of nest forming nearly one half of it.

Lutescent Warbler. 3/4 and nest 6-6a.
Ins E. Castroville Cal. DATE, Apr-15-1906.
O. P. Silliman, IDENTITY. ♀ seen on nest.
Paradise road.

Nest was on a steep side-hill sloping to the north in a grove of oak trees covering the slope. The situation was rather shady and damp the trees were not close together at this place with very little underbrush.

Nest was discovered by watching female go to her nest after I had flushed her and had noticed her in a scrub oak near by. It was 15 or 20 min. before she returned to her nest.

She was very tame but did not "chip" much or make any disturbance. Vegetation under this tree was very low scarcely any over a foot long and not thick. It consisted chiefly of small shoots of wild B.B. vine, fine "saw grass", chickweed, a kind of "wild mint", wild "honey suckle", poison oak, etc. Nest was completely canopied over with green and dry saw grass, poison oak shoots and dead oak leaves. Nest was in a neat little round cavity on side of bank with earth forming a wall on upper side of nest. Nest filled this cavity and extended out rather on the lower side, thus not being circular in shape.

15x33/4X 2 inches - 2.15 inches.

Bicolored Blackbird. 3 and n-1. 499.
Castroville Apr. 20-1906.
O.P.Q. Positive
Slight

was placed in the crotch of a young willow sappling growing in about 2 feet of water and was about 2 feet up from its surface. Location was the willow fringed channel of the former course of the Salinas R. Sappling was a couple of rods distant from the bank of river and the road running along its top. Nest could be seen from bank at one place but in other directions was concealed by surrounding sapplings and by wild blackberry vines growing along the bank.

Nest was a neatly woven basket of rushes woven about the several small willow shoots in which the nest was placed. All plastered together with mud. The lining consisted of fine weed stalks, rootlets and other fibrous material.

5x6/ 4½ 6X 3¼/ 2¾.

Santa Cruz Song Sp. "3- 581d part.

Castroville, Cal. Apr. 20-1906.

O.P. Silliman. IDENTITY. Bird flushed from nest.

Very slight

was placed in some wild b. b. vines growing along ~~the~~ bank of river (old channel) and extending out over water. Nest was placed about one foot from water which had risen lately owing to recent heavy ~~rains~~ earthquake shock. Nest surrounded on one side by yg. willow sapling growing in the water and on the other side by vines and other willows over which the vines trailed. Nest placed upon several very large vines and was spread out over them to quite an extent. This outer part of nest was of very loose construction. Nest notwithstanding loose structure was very pretty, especially when seen "in situ". It was composed externally of large dry pieces of tule including a piece of the top with seed pods attached, large dead wild b. b. leaves, grass blades and fibered tule stalks. Inside of this was roots of some plant growing in water, grasses (blades and round) and lined with a quantity of red hair similar to cat, but not as thick).

about 10" 2½"  2¼ x 2¾ x 1⅞", deep.

Brewer's Blackbird. 3-1. 510.
Castroville, Cal. Apr.-20-1906.
O.P. Silliman Positive!

Brush.

was placed in a stubby willow sapling growing at waters edge- along old channel of Salinas. At this place there is scarcely any bank. Nest easily seen from road-way running along bank. ♀ on nest. Nest placed 7 or 8 feet above the water. Nest placed in a kind of a crotch formed by 6 or 8 small shoots or branches all except one of which were growing upon one side of the nest however-

Other pairs of birds nesting near but none except these birds had complete sets.

Nest was the usual large bulky structure but was very deep (tall) and was composed of weeds plantstalks- a quantity of leaves cemented together with mud. With a lining of rootlets.

3011

Calif. Thrasher 1/3 - 710.
Castroville, Cal. Apr-20-1906.
O.P. Silliman. Bird on nest.
Nest

was the usual large platform of dry willow twigs (and/or 2 wild b.b. vines about 1' long) loosely put together and upon this was placed a very neat compact inner nest made exclusively of small rootlets. Bird was as is usual a very close sitter and soon returned to vicinity of nest. Nest was placed upon some wild b.b. vines at edge of a willow swamp situated at mouth of old river channel. Nest was placed about four feet up and fairly well hidden and was just over edge of soft muddy clay covering ground of willow thicket.

2303

Mex. Horned Lark. 474 L.
Castroville, Cal. DATE Apr-20-1906.
O.B.S. ♀ flushed.

Nest was situated on the ground in a slight cavity by the side of a bunch of nettles about a foot tall, & edge of nest was placed flush with surface of ground. It was shaded and well concealed by the overhanging nettles which however were on one side only of the nest. Locality was a piece of farming land which had been plowed once but over which vegetation was again springing up. On one side of the nest for several feet there was no vegetation of any size. Parent flushed from nest and I left for a moment and found that she had again returned to her nest.

Nest was quite a neat affair composed chiefly of weeds (burdock weed? I think) grass blades - straw and some fine fibrous material lined quite thickly with plant down with blades of grass sticking through the lining in some places.

Meas. after being removed from cavity.

NEST (3¾"x5") x 2" INSIDE 2¼"x1¼"

4112

NAME Nuttall's Sparrow. 1/3 and n. 554 *b*.
Castroville Cal. Apr. 23 - 1906.
I. Fujii for
O.P.S. Positive
Slight.

was located in a low lupine bush not over 1½' tall growing upon sandy beach of Monterey bay and 250 or 300 yards distant from water. At this place were growing many such small lupines and other beach growths. Nest was about 1" about beach sand. No tall plants near nest.

# 4112

NAME Pacific Yellow-throat. — n/4. — 681 C.

LOCALITY Castroville, Cal. DATE Apr. 23 - 1906.

COLLECTED BY O.P.S. IDENTITY

INCUBATION Far advanced.

NEST about 1' up in greasewood bush in clump of shrubbery growing in a hollow in sand hills extending along beach and at one edge of a piece of farming land. ♀ about nest and was very tame. Nest discovered by watching ♀ return to vicinity of nest.

Bicolored Blackbird 244 n. 4/9.
Castroville. Apr-23-1906.
O.P.S. Positive
Fresh.

was situated in the crotch of a small willow sappling growing in water near its edge (about 5' from ~~its edge~~ land,) and was placed 6½' above the water and about 2' from top of sappling. Locality was the willow lined course of the old channel of the Salinas river. Nest was in plain view from a roadway which ran along top of bank a rod or so from the nest. Many other similar sapplings growing near. Parents about. A small colony here.

A very large loosely woven structure fastened on one side to three branches of the willow and bulging out away from the center twig 7 inches. Nest composed almost entirely of very light colored grass blades and grasses a few fine weeds and leaves also added. Lining consisted of the same material.

(7" 5") x 7¾" 2½" 2"

3596/

Bicolored Blackbird. 3/1 + n. 499/11

Castroville, Cal. DATE Apr-23-1906.

O.F.S. IDENTITY. Positive ♂ seen.

nearly fresh.

was situated in small branches of a grease wood bush where the foliage was the thickest. Bush was growing along top of bank of the former channel of the Salinas river and not over 6' from road running along top of bank but was on opp. side of bush from road, and ∴ well hidden from view. Water of river only a few feet away below nest. Nest was about 7 feet from bottom of bank perpendicularly as the bush hung out over bank, but only about 4' above level of road.

Nest was a beautiful basket of light colored grass blades, strips of tules, straws, fine weed stalks with a thick lining of fine round grasses. All neatly woven together but no cement (mud.) used to fasten it together.

(5½" 4¾") × 3½ × 4" . (2½" 3") × 2¼"

141

Bicolored Blackbird. 4 + n. 1 4 99.
Castroville, Cal. Apr. 23-1906.
O.P. Silliman. Parents near.
slight.

was about 2½ feet above the water of old channel of the Salinas R. and was placed in a bunch of tules and fastened to several of them.

Nest placed near outer edge of bunch of tules nearest the water. A dry willow limb was lying among the tules and passed just below the nest but was not fastened to them.

Nest was a rather loosely woven affair of dark colored tule blades, and shreds and a little fine grass externally with a thick lining of round lighter colored grasses. Lining not such fine grasses as some.

Not measured.

6" 4"

(2½" 3") 2"

House Finch. 1-5-nest-1. 519
Castroville DATE Apr.-25-1906.
O.P.D. IDENTITY Positive.
Brush.
was placed in small hole in side of a straw stack and was about 8 feet from the ground.

EGGS.

NEST

Nuttall Sparrow. 7/4 8 n. 554 b.
Castroville, Cal. Apr. 25-1906.
O. P. Silliman. Parent seen.

Nest was placed 16" or 18" above the ground in a wild turnip plant about 3 feet tall growing together with wild mustard, wild raddish, and barley on a piece of alfalfa situated in the middle of a large flat area of farming some half mile from any trees, brush or stream of water. These plants formed a thick growth completely covering the alfalfa but had been eaten off and trampled down on one side of the nest by cows which were pastured here. The nest had been partly over-turned by these later and 2 of the eggs were on ground below nest. A day or two ago I also found an egg upon the ground which I replaced and the parent returned to her eggs.

3836

House Finch. 7/5 ~~&~~ n. 519.

Castroville. DATE: Apr-27-1906.

C.P.S. IDENTITY: Positive

Small embryos.

was placed 12' up on the upper sill of a barn and against the end of a rafter where it rested on the sill about 4 ft from the end of the barn.

Barn is a small rather delapidated structure seldom used and situated together with another building some distance from any regularly occupied dwelling. It is at the edge of a flat piece of farming land and near old channel of the Salinas R.

Nest built upon remains of a last seasons nest. Parents near not noisy.

3836.

3838

NAME House Finch- SET 3/5 & 3a/4-2. A.O.U. No. 519.

LOCALITY DATE 4-21-06.

Both fresh. 3/4a a little stale.

placed exactly as in last set except that nest was about 8' from end of barn. Nest was built over another nest which contained 4 fresh eggs of the same sp. All of the material used was placed there during the present nesting season. I think this latter set was the one I found 2 weeks ago today in exactly the same spot, I put my hand in to examine it which may have caused birds to build a second nest over 1st or perhaps they may have deserted it on account of the recent extremely heavy shock of earthquake which has occurred since that time.

3638-

NAME House Finch 4/5-1. A.O.U. No. 517.

LOCALITY Castroville. DATE Apr. 27-06.

COLLECTED BY O.P.S. IDENTITY Positive.

INCUBATION small emby.

NEST was placed exactly as in set 2/5 & 3/5 except that it was in the corner at end of sill and was thus against end wall of building. Last year's nest relined.

[illegible]

[illegible] NEST [illegible]......X......

Brewer's Blackbird SET 1/6. 510.

C'Ville. Apr. 27-06.

O.K.S. Positive.

Slightly incubated.

Nest was placed in a thick half-dead scrubby cottonwood sappling probably 12 ft. tall overgrown with wild b.b. vines said tree being situated at bottom of bank of old channel of the Salinas and it extended partly over the water. Nest about 1 over edge of water. This sappling was in a little clump by itself, some few feet away in the water were several small willows growing. Nest could be seen from roadway passing along top of bank.

♀ on nest.

Nest of usual size and structure for this locality. Material consisting of mud colored and covered rootlets, plant stalks, straws, some broad grasses, a piece of bale rope, some dry trailing vine stalks and similar vegetable material cemented together with mud and perhaps some horse dung. Thick lining mostly black hair.

(8½" 6½") x 3½" (3" 3½") x 2"

148

3674. //

Brewer's Blackbird. 7/6. 510.

Castroville. Apr-27-06.

O.P.S. Positive.

Eggs [illegible] well mud [illegible] field [illegible]ent.

From first or nearly so to slight

~~From~~ rather larger that the usual structure being somewhat deeper.

Nest was placed about 6' up in very thick scrubby box elder tree growing at edge of water of old channel of Salinas river. Part of tree extended out over water and nt. was about 1 over edge of water. Tree growing at bottom of low (3' or 4') bank and near road way running along top of latter.

Nest was placed in the thick small limbs near center of clump and nearly hidden by them. Several large wild gooseberry bushes growing here and their branches and foliage grew up to and surrounded the nest.

Material used in construction of nest consisted of straws, dry weed stalks, twigs etc. all very coarse and rather roughly put together. Much mud and some horse (perhaps) dung used to cement structure together at bottom. A piece of pack twine also used. Inside were fine rootlets, and a thick coating of hair & lining.

(11x6½) 4." 3674. 4"x3" 2.5"

Brewer's Blackbird 3/6-2. 510.
Castroville. Apr-27-06.
O.R.S. Position [illegible]
[illegible]

was placed 8 feet up from ground in box elder with wild b.b. vines about them. Tree with many small branches and dense foliage. Nest hidden. At bottom of bank as in foregoing.

Nest of medium or rather small size consisting of dry twigs, weed stalks, wild blackberry vines, dry fibers from tules, and much "cement" used in holding nest material together. This "cement" consisted of the decaying vegetable matter (mostly dry tule stalks) and mud found along edge of slough and gave the appearance of dry horse manure which is also frequently used but I do not believe these nests contained any. Lining consisted of black and white hair.

Nest not regular in shape being lop-sided.

usual size - not measured
(7" 5") x 3 3/4" (3" 3 1/2") x [illegible]

NAME Bicolored Blackbird. 5 3 4/1.

Castroville.

DATE Apr-27-1906-

O.R.S.

IDENTITY Positive,

Slight.

was placed in a small clump of tules (about 1 rd sq.) and was fastened to several green and dead ones. Location was in the bottom of old channel of P. river near willow fringed bank on W. side about 2 rods from it. Water about 1' deep nest 1' above water. A doz or more pairs in colony there. Completely hidden from land side by willows etc along bank. Parents uttering cries about nest.

Nest composed outwardly of dark colored tule blades lined with finer light colored grasses. Loosely put together no cement.

3670

NAME Brewer's Blackbird. 4/3. 510.

Castroville. DATE Apr-27-1906

O. P. O.

[illegible]

placed 4'. 8" up from water of old channel at edge of same. Placed in low greasewood bush growing together with wild b. b. & g. b. vines and willow sappling along old river channel. All these plants near and nearly all helping to support same. Nest over edge of water and could be easily seen from that side but not from top of bank.

#3670

Bicolored Blackbird. s/3- 477.
Castroville. DATE Apr-27-1906-
O.P.J. Positive.
Nearly or quite fresh, most slightly [illegible]

was placed or woven about 4 or 5 small branches of a slender willow sappling growing in shallow water near bank (1 rod from it.) of the old channel of the Salinas river. Nest was placed 6 1/2' above the water which 6" deep here and was 18" below top of sap. Many sapplings and other growths on landward side completely hiding it from view. Tules near from which s/3 was taken.

Nest rather loosely woven of dark colored grass blades, tules leaves etc & lined with finer lighter colored grasses.

5" - 4" x 5 1/2" 3" x 3 1/2"

NAME Brewer's Blackbird. SET 5/6-1. A.O.U. No. 510.
Castroville. DATE. Apr-27-1906-
O.P.D. IDENTITY. Positive.
Embryoes about ½ developed.

Nest was the usual large structure but was not so elaborately constructed as some and gave the impression of incompleteness - the brim not being perfectly constructed. The materials used were weeds with leaves attached, rootlets and a few straws, cemented together with a large quantity of mud or earth and a little horse dung. The lining was of rootlets. It was of ordinary dimensions.

Nest was placed just above the forks of a stubby willow sappling growing together with other sap. wild b. b. vines and other growths on bank of old R. and near road at top of bank (low here). Nest 6' up. woven about 2 larger branches forming crotch and several smaller ones.

EGGS. Not measured.
Not measured.

3573

Bicolored Blackbird. 3- 4/9.

Castroville Apr-27-1900.

O.P.S. Positive

Embryos well formed.

was placed 6' up among the upper branches of a small willow sappling growing in shallow water (6" deep.) in a clump of these sapplings growing in the middle of the former channel of the Salinas river. There was one other nest of this species in this same clump which latter covered about a sq. rod completely sourrounded by water and some distance from any other trees or sapplings.

Parents about nest.

Nest fastened to several small branches and was a rather loose structure of mash grass and "tule blades" then a layer of darker shredded tule with inner lining of fine light colored grasses. A rather common place affair for this species.

(4½"–5½") x 5" 3"–2½"

3579

Brewer's Blackbird 6/5. 5.

Castroville DATE Apr. 27-06

O.P.D. Positive

[illegible]

was placed in a low scrubby willow sappling growing along bank of the old river at edge of farming land. Bank very low at this place. Colony here. Nest was about 4 feet above level of bank, but about 6' from the ground.

Nest in plain view of road running along top of bank.

Nest placed upon dead branch and surrounded by wild b. b. vines.

# 3579.

Brewer's Blackbird 7/3-1. 570.

Castroville. DATE. Apr-27-1906.

O.P.D. (Positive!

Slight

Located exactly as in last and near it. Not quite so many vines about it as in last. Placed at same elevation and easily seen from roadway.

A very compact and small sized nest for this species. Irregular in shape, being finished elaborately on one side but on the opposite side (where the supporting limbs were) being unfinished and giving the idea of incompleteness.

Nest consisted of mud covered weed stalks, twigs, rootlets etc - all firmly held together with a cement consisting of mud, fine pieces of straw and some horse dung I think. Lining of rootlets with hair innermost.

Not measured!

(7" 5½") x 3". (3¼" 3¾") x 2

NAME: Pileolated Warbler. SET 1/4. 683a.
Castroville : DATE Apr-27-1906.
O.P.D. IDENTITY Quite positive

was placed 20" up in low wild B.B. vine trailing over dead willow sappling lying in slanting position; supported by both vines and small branches of willow. Location was low willow swamp lying along old channel. The growth at this place consisted of willow sapplings 10' to 14' tall abundantly overgrown with wild B.B. vines about their base. Vines a little thinner at this place. Land subject to frequent floods during winter and spring. Very muddy everywhere with water in low spots at this time. Nest 2 rods from farming land on one side.

4158

Santa Cruz Song Sparrow - 1/4. 581a Part.

Castroville. Apr-24-1906.

O.P.S. 2 birds seen -

Fresh -

was placed upon 2 or 3 wild B.B. vines in a dense "bank" of vines, poison oak etc. growing along bank of old river channel and on side next river. 4' from water- tules near in water. Road 10' on opp. side. Both parents - tame not noisy. Placed near edge but hidden by foliage. 27" up from ground. Vegitation luxuriant.

NAME Brewer's Blackbird. SET 8/6

LOCALITY Castroville. DATE Apr-29-1906.

COLLECTED BY O.P.D. IDENTITY Positive.

Fresh

NEST placed a little above the crotch formed by 2 branches of a greasewood shrub and surrounded by several small limbs Bush growing near road side passing along top of bank of old river channel Bank thickly covered with vegetation. Nest on opp side of bush from road. Fairly well hidden. Very low, or ap. 5' ⊥ to edge of bank. 4' above level of road.

Nest usual bulky construction of dry weeds straw - wet manure used to cement all together. Lining of rootlets fibrous plant material and a little hair. Usual size - Lining scanty.

3576

Bicolored Bl'kb'd. 84. 4/77.

Castroville. DATE. Apr-29-1900-

O.P.J. IDENTITY. ♂.

placed 12" above water which was 15" deep at this place in a dead willow sapling growing in small clump of very small mostly dead sapplings about 40 feet from edge of water of old channel of river. Low growing rushes near with willows, tules etc. growing not far away. Nest was a neatly woven basket of dry rushes lined with fine round grasses and grass bladedes,

Placed a little above 3 crotches formed by 4 branches and fastened to all of them as well as to several rushes and small twigs.

#4157

Santa Cruz Song Sparrow. 12/4 581 Rg-y

Castroville. DATE. Apr-29-06.

O.P.S. Positive.

Fresh - continued laying on 27th

placed in large clump of wild B. B.vines 8" or 10" from top thus being below foliage and hidden from view; growing along road at edge of bank of old river channel. Found on 27th. Parents near. 10' or 12' from road. Willow sapplings 5' away. Nest of wide grass blades rushes and tules. Neatly made for Sp. Ex. a little loose. Lined partially with hair - A few leaves in ex. nest 4' up from ground.

Bicolored Blackbird 9/4. A. O. U. NO. 499.

Castroville. DATE. Apr-2[illegible]-06.

O.P.S. IDENTITY. Positive.

was placed among the branches of a tall greasewood bush not over 3' high growing in a small pool of water and mud at edge of larger body of water occupying the former channel of the Salinas River. A small group of willows near, no other large plants near.

Nest 8" down from top of plant among foliage and was about 2' above mud about bottom of bush. Water shallow.

Nest was a neat regular shaped basket surrounded on all sides by the small branchlets of the "grease wood" bush.

Material consisted of dark colored tule "leaves", grass blades, stalks of marsh grass cemented together with a lining of fine light colored grass fibers.

4½" 5" 3¼" 2½"

Salt Marsh Yellow-throat 681e. #3395.

Pacific Yellow-throat 2/4. 681e.
Castroville Apr-29-1906
O.P.D. Monterey
Fresh. [illegible]

near pathway running thru a grove of yg. willow sapplings overgrown in some places with wild b.b. vines. Nest in a small bunch of trailing wild b.b. vines. Land here is subject to frequent flood and at this time there was 4 to 6 inches of slickens on the ground all about the nest. ♀ close sitter. I passed by nest within 2 feet of her and she did not leave later I returned and when within 3' she left and fluttered along ground. Later she joined ♂ who was singing some distance away.

House Finch. 5/5 517.

Castroville. DATE. Apr. 27-1906.

O.P.S. Positive

Fresh eggs [illegible]

placed upon several trailing wild bl. vines near the trunk of a small willow tree (2½" thick) and was 27" above the ground. Vines trailing over tree but not thickly. Location was a willow swamp or thicket lying between the old channel of the Salinas and a piece of farming land lying alongside of it. Land covered with trees covered an extent of several acres.

Mitchell Sparrow 3/4. 554 b

Castroville. Apr. 27, 1906

O.P.S. Probably [illegible]

Slight No bird seen.

in slight cavity in ground in open field surrounded by weeds – nettles and "pepper-grass". Bird flushed. Taken after dark.

Mex. Horned Lark SET 2/4 or n. A.O.U. No. 474 b

LOCALITY Edstromville DATE May. 3-06.

BY D. P. Gillmore. Positive

Slight.

was placed upon the ground with a large clods forming a kind of a barricade on 3 sides of the nest. Nest in slight cavity at base of these clods. Locality was a large level piece of farming land that had been plowed about 2 weeks previous. There were no weeds growing in the vicinity of the nest, however not very far away was a piece of land that had not been plowed and it was covered with weeds which would have afforded many well hidden nesting sights. The birds however chose a perfectly bare spot.

This cavity was lined with dry weeds and straws with a thick inner lining of thistle down. Edge of nest flush with top of ground and on level with base of clods. More of the nest material on one side than on the other.

EGGS.

2

2.2×.62

NAME Dantalarugdon parvus. 13/-1, 1 51-part.
LOCALITY Castroville. May-4-1906
C.P.C. Pristine.
small emby.

placed among the smaller top branches of a greasewood bush which was growing at base of brush covered bank of old river channel. Brush extended out over the water 3' or 4' towards a small clump of willow saps. growing in shallow water near nest. Nest was a rather loosely built structure rather small for the species and composed of weed stems, one or two leaves, pieces of dry tule, dry grass blades lined with light colored grasses and 1 or 2 hairs - about 5' up.

3575

NAME Bicolored Blackbird 1/3 4/19.

LOCALITY Castroville DATE. May 4-1906

COLLECTED BY O.P.S. IDENTITY Positive

REMARKS Will [illegible]

NEST was placed 8" or 10" up in a small slough or marsh plant (a kind of "joint grass") growing in old channel of Salinas R. Plant had been growing in water but the latter had evaporated leaving nothing but mud and "slickens" for several feet about nest. Nest was a neat basket woven about several stalks of the plant. It consisted of ~~[illegible]~~ blades of a marsh plant, grass blades, a piece of dry tule cemented together with mud at bottom and lined with lighter colored grasses.

EGGS.

Santa Cruz Co.
Castroville. May

placed in a small subby willow spp. growing by side of road running thru a piece of willow sapplings. A wild b.b. vine or two trailed over and about nest. Locality was former bed of P. river with the channel on one side and a piece of willow sapplings on the other side of the nest. Nest composed of mud colored and covered twigs, straws, and leaves with inner lining of grass and bark shreds.

S. T.

3013

NAME Sealy Thrasher. 1/3, -10-

LOCALITY Kellyville DATE May — 7 [illegible]

Okla. IDENTITY [illegible]

FORMATION [illegible]

NEST was placed about 3' up upon some wild b. b. vines that were trailing over a grease wood bush at edge of a thick patch of vines willow sapplings etc. along bank of old river.

Near where I took set 1/3. probably a second set of same pair of birds.

Nest well hidden by foliage of vines but was placed near edge of clump.

Nest was a platform of large willow twigs thickly lined with a few bark fibers and many small fibrous roots.

Quite compactly built for this species

#3396.

Pacific Yellow-throat. 3/ [illegible]

Castroville. May [illegible] 06 -

C.P.S. [illegible]

Well developed embryo.

was placed about 10" or 12" from the ground in a small perennial plant locally known as "rush." Plant was growing at edge of a clump of wild b.b. vines and willow saps. The locality was a piece of low waste land frequently overflowed and covered with a considerable growth of willows, vines etc and extending along course of the Salinas river. Nest was a compact and rather undersized structure composed of grasses and leaves. Inside there were many large wide grass blades with a very few smaller grasses and one or two white hairs.

Both parents heard, one seen, quite noisy

172

4155

Samuels Song Sparrow. 16/. 58 = 3 set.

LOCALITY Castroville. DATE May 4-96.

C. F. S. IDENTITY: ♀ flushed

Melospiza [illegible]

was placed 16" up in a small wild b. b. vine that was trailing over a small half dead willow sappling and nest was placed almost against latter.

Locality same as last and not far from it.

Nest of straws, leaves, and "rush stalks", then a thick coating of broad grass with a lining of rather lighter colored grasses

4155

House Finch — Set 1/3-4 No. [illegible]

Castroville Date May 8 [illegible]

Cal. [illegible]

[illegible]

about 6' up in old overall leg hanging from wall of deserted building

174 #3960

Bryant's Marsh Sparrow - 1/4 542 K.

Castroville DATE May-6-1906-

C.P.S. ♀ flushed.

was placed on ground in a small patch of alfalfa.

#4111

NAME Nuttall's Sparrow SET 4/3 [illegible] 10

LOCALITY Lecompte DATE May 11-06

O. P. S. [illegible]

Slightly incubated.

was placed in a bunch of wild turnip, wild b.b. vines, "bull nettles" etc. growing upon s-w. side of sand hill not far from river; about 18" from ground.

Nest composed externally of weeds with many leaves attached to them a coating of dark colored dry straws and finer round grasses and a thick coating of hair innermost. Parents seen.

4111

NAME Calif. Thrasher 3/3. 710

LOCALITY Castroville, DATE May 15-06.

C.P.S. IDENTITY Positive.

N.J.T.

NEST was the usual large bulky structure of large willow twigs with a lining of rootlets, bark fibers with finer rootlets innermost. Nest was placed 5' up in wild b.b. vines that were trailing over small willow trees along old course of Salinas R. Nest was 4 or 5 feet from edge of farming land. Nest subject to frequent overflows and quite damp at this time.

NAME Arkansas Goldfinch 1/5 A. O. U. No. 530.

LOCALITY Castroville DATE May 15 06.

COLLECTOR O. P. Silliman POSITION Position 4 ft

INCUBATION fresh

NEST was placed 4' from ground in a wild b. b. vine that was trailing over small willow sapplings not far from edge of willow swamp or thicket. Ground subject to frequent overflows and at this time very damp. B. B. vines very thin, thicker towards edge of willows. Willows here are bordered here with vines, but farther in there is no undergrowth. Both parents seen;

180 3397

throat -4 3-

Pacific Yellow 68 (

Castroville. May-8-906.

O.P.S. ♀ seen-

slight.

was placed about 1' up in "wild rush" growing in low wet waste land near river and was under (a) willow saplings covered with a few wild b.b. vines. Ground about with about 1/2 the area consisting of open spot between the clumps of willow sap. wild b.b. vine clumps and other growths.

NAME Brewer's Black-bird- SET 9 5-5 570

LOCALITY Castroville. DATE May-18-1906.

U.P.S. IDENTITY. Positive.

Far advanced

was placed 12' from the ground in a crotch formed by some of the small upper branches of a yg. willow tree growing at edge of dry water hole extending out over place where water had been a short time before. Nest rather a neat affair for this species composed of weeds with leaves on them- cemented together with horse excretement with inner lining of rootlets and hair.

4113

NAME Nuttall's Sparrow. 1/4 55-a.

Castroville. DATE May-18-1906.

O.P.S. ♀ seen ♂ heard

Slight

was placed two feet up from the ground in a bunch of wild blackberry vines growing in a low damp ~~place~~ piece of waste land but near edge of a piece of higher farming land. Nest was composed chiefly of weeds with leaves attached, a few straws and had a thick lining of fine light colored grass.

Parents heard and seen.

# 4113

NAME Arkansas Goldfinch SET 2/5-2. 530.

Castroville Cal. DATE May-20-'06

O.P. Silliman Parent on nest.

Bush

was fastened to 2 or 3 wild blackberry vines that were supported by several small willow sapplings growing in a clump- in a piece of low waste land near the Salinas R. This piece of land is overgrown here and there with willows and blackberry vines. Sometimes growing alone but generally where one grows the other does also.

Nest 30" above ground, not well hidden.

Vigor's Wren. 1/7-1. 7174

Castroville. DATE May-26-1906.

BY C.P.S. IDENTITY.

Large emby.

was placed 4 or 5 feet from the ground in a sack of cans and other rubbish that was hanging on the back yard fence near a residence. Nest was passed and repassed by people several times every day. The nest was constructed in the circle formed by the bottom coil of a bed spring such as is used in the construction of box mattresses. This spring was placed in a 5 lbs. lard bucket or pail which had been used as a flower pot and still contained a little damp soil in the bottom. The nest was placed upon this damp soil and was considerably flattened out on the bottom where it pressed against the soil

OF EGGS.

3110

Russet-backed Thrush. 1/4 758.
Castroville. May-26-1906.
O. P. Silliman. Positive.
Small embryo.

Nest was placed about five feet up from the ground and was supported and partially fastened to a large black berry vine (wild) and a small branch of a willow sappling. The locality was a blackberry fringed grove of willow sapplings or willow swamp which had formerly been the course of the Salinas River and at this season of the year was still damp and covered with "slickens" from the winter's floods. The outer edge of this grove of sapplings next to a piece of farming land was fringed with wild blackberry vines for varying in width from 1 to 2 or more rods and it was in this growth that the nest was placed.

3112/

NAME Russet-backed Thrush. SET 3/4 A.O.U. No. 758.

LOCALITY Castroville. DATE June-1-1906.

COLLECTED BY O.P.S. IDENTITY Bird flushed.

INCUBATION 3 embryoes just forming, infertile.

NEST was placed in fork of small willow sappling growing with other like sapplings in a clump of wild blackberry vines. Locality was a low piece of willow covered waste land near bank of Salinas R. and subject to frequent floods in the winter season.

Nest about 4' up. Bird flushed from nest.

Russet-backed Thrush. 3/4—1. 758.
Castroville. June 1-1906
O.P.S. J. Preston
Fresh.

Placed in fork of yg. willow sappling — about 5 feet up — Sappling growing in clump of same over-grown with wild blackberry vines some of which were near the nest one passing over limb of fork just under the nest.

Locality near last but clump of trees was more issolated from the surrounding willows. Parent heard.

188

NAME Russet-backed Thrush. 3'''

SET 4/- 758.

LOCALITY Castroville. DATE June-1-1906.

COLLECTED BY O.P.S. IDENTITY Positive.

INCUBATION Fresh.

NEST was placed in crotch of small willow sappling growing near outer edge of a thick grove or willow swamp. This sappling was growing among the thick wild blackberry vines that fringed the edge of the sapplings for the width of a rod or more. Sappling was near the middle of these and was surrounded by the many vines that trailed over and about these sapplings. Nest not easily seen unless one was searching among the vines. Along this fringe of vines on one side was a piece of farming land and on the other the grove of sapplings through whose center ran a water course which was formerly the channel of the Salinas River.

EGGS.

Nuttall's Sparrow. 6 3-1. 554 b.
Castroville, Cal. June-5-1906.
O.P.J. Positive.

Begun but eggs afterwards decayed.

placed 16" up from ground in a small thick wild blackberry bush about 2 feet high growing on a piece of land covered with similar clumps of vines or bushes and containing many berries at this time. Place was free from trees or other growths but not far distant on 3 sides of the berry patch were many yg willow sapplings.

NAME Pileolated Warbler. SET 2/4. A.O.U. No. 685a.

LOCALITY Castroville. DATE June-5-1906.

COLLECTED BY O.P.S. IDENTITY Birds seen.

INCUBATION Fresh.

NEST placed near edge of a large clump of rank thick wild blackberry vines that were growing along bank of old Salinas R. channel. Vines trailing over many willow sapplings. Nest was placed among the large, rank leaves on opp. side of clump from river and not far from a road (little used however) and but little farther from a piece farming land. Nest at edge of clump but fairly well hidden by large leaves. Both parents seen, quite tame and uttering many remonstrative notes. Nest 2' up. Location a little damp.

3837

House Finch 7/6. 5|9.
Castroville. June - 5 - 1906.
O.P.S. Positive.

Some fresh - others slightly incubated.

placed against the trunk of a small willow tree or sappling and was supported in its position by several small dry shoots. A ~~small~~ wild blackberry vine trailed over the tree a few inches above nest. Nest was in a thicket of willow trees growing in the slickens along old channel of Salinas R. Trees 10 or 12 feet tall bare except for a crown of leaves near top. Nest was 5½ up and therefore easily seen from quite a distance.

NAME (Russet-backed. Thrush. SET 5/–

LOCALITY Castroville. DATE. June-5-06. A. O. U. No. 758.

COLLECTED BY C.P.S. IDENTITY. ♀ on nest.

INCUBATION Slight.

NEST placed in a clump of small willow sappling and wild blackberry vines and was supported by the vines and one or two small willow twigs. This bunch of sapplings was growing along edge of old river channel, in the slickens left by the winters and spring floods. This particular clump was separated a little from the rest of timber growing along channel. Parent close sitter and soon returned uttering her cry.

#3439=

Pileolated Warbler. 3/4 6838

Castroville. June 5-06.

C.B.L. Birds seen.

Fresh.

20" above the ground placed on 1 or 2 large wild blackberry vines, growing in the wet slickens (at this season of the year) along old channel.

Nest in low clump of vines and small half dead sapplings. Vines not dense or leafy but quite large and covered with slickens and debris from floods. Nest not far from set #4 and very near another set of 2 that I found but was destroyed presumably by parent birds. Parent tame and appeared in vicinity of nest soon after I arrived. Eggs warm.

#3439.

NAME Russet-backed Thrush. SET 6/4 A. O. U. NO. 758.

LOCALITY Castroville. DATE June - 5 - 06.

C.R. IDENTITY Birds seen - tame.

Slight.

3 1/2' from ground in small thin wild blackberry vines trailing over small dead willow sappling and larger live ones. Location was a piece of willows lying along old channel of Salinas R. and covering 2 or 3 acres in extent. These trees were bare of foliage except for a crown of leaves at their top thus the nest was plainly visible for quite a distance.

2304

Mex. Horned Lark. 3/2. 4 yd.
Castroville. June-6-1906.
O.P.S. Positive ♀ flushed.
Well developed embryoes.
in slight hole in field which had been plowed once and had grown up again with weeds.

196 √

NAME Mourning Dove. SET 1/2. A. O. U. NO. 316.

Castroville DATE June-10-1906.

COLLECTED BY D.P.D. IDENTITY Positive.

Not ~~measure~~ preserved,

was a slight hollow in ground in a grain field.

SIZE OF EGGS ~~Not measured.~~ 1.08 x .81; 1.11 x .83.

Bicolored Blackbird. 1/4-4. 499.
Castroville. June-11-1906.
O. P. Silliman Positive

I did not blow these eggs.

in a dock plant 3½ feet up in a damp piece of land at edge of a grain field near a tiny stream of water that wended its way among the weeds and plants. Location was a low hollow or swale between two ridges of low sand hills thru which the stream ran.

Nest was a neatly woven, rather deep, "basket" fastened to 2 or 3 sprigs of the plant.

Composed almost entirely of grass some few being flat blades but most of them were round & those of the lining ~~but~~ being fine round grass. A small piece or two of weed mixed in with the grass.

1. Not measured - medium size. .97x.70; .96x.69; .94x.70.
4" 5" 2½" 2½"

198

Mourning Dove. 2/2-2. 316.

Castroville. DATE June-11-1906.

C. P. Dilliman. IDENTITY Positive

Not preserved.

on ground in grain field.

Usual meager lining.

~~Not measured~~. .96 x .80; 1.02 x .82.

(Species?)

✓199

NAME w.v. Warbling Vireo SET 1/2-2.

Sobey Ro. Castroville. DATE Later than last,

O.P.D. IDENTITY 2

Fresh, not preserved.

was placed in forks of small limb of apple tree about 8 feet up. Tree growing in orchard near farm house and very near buggy shed.

Eggs very long, white with a very few spots of reddish brown and black nearly all about larger end.

SIZE OF EGGS No. 1. 73 x 51. - Only one measured.

200 √

Mourning Dove 3/2-2. 316.

Castroville. July 8 to 10.(?)

O. P. S. Positive

Fresh. Not preserved

on ground in growing grain Usual scanty lining of straws and weed stems. Parent flushed

1.01 x .82; 1.00 x .83.

201